					ENT OF NA	OF UTAH ATURAL RES , GAS AND M			FORM 3 AMENDED REPORT						
		APPL	ICATION FOR	PERMIT TO DRILI	L				1. WELL	NAME and NU NE	MBER BU 922-34G4C\$	S-R			
2. TYPE OF		ILL NEW WELL 📵	REENTER P8	A WELL DEEP	PEN WELL	<u> </u>			3. FIELD	OR WILDCAT	IATURAL BUTTE	:S			
4. TYPE OF		Gas V		ed Methane Well: NO					5. UNIT o	r COMMUNIT	IZATION AGRE	EMENT N	IAME		
6. NAME OF	OPERATOR			GAS ONSHORE, L.P.	<u>′</u>				7. OPERATOR PHONE 720 929-6100						
8. ADDRESS	OF OPERATOR			enver, CO, 80217					720 929-6100 9. OPERATOR E-MAIL Andy.Lytle@anadarko.com						
10. MINERAL LEASE NUMBER (FEDERAL INDIAN OR STATE)										ACE OWNERS	HIP	_			
UTU 0149077 FEDERAL INDIAN STATE FEE 13. NAME OF SURFACE OWNER (if box 12 = 'fee')										AL IND	PHONE (if box	ATE ()	FEE ()		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')											E-MAIL (if box				
13. ADDRES	33 OF 30KFACE C	WHEN (II BOX 12		40 INTEND TO 00	MANUSCO F	PROPUSTION	LEDOM				L-MAIL (II DO)	(12 = 166	•)		
17. INDIAN . (if box 12 =	ALLOTTEE OR TR : 'INDIAN')	IBE NAME		18. INTEND TO CO	TIONS			~ 1	19. SLAN	_					
				YES (Submit Commingling Application) NO				VERTIC		ECTIONAL 📵	HORIZO				
	ION OF WELL			OOTAGES	_ Q	TR-QTR		CTION	-	WNSHIP	RANGE	-	MERIDIAN		
	AT SURFACE	_		NL 764 FEL	_	SENE		34	-	9.0 S	22.0 E	_	S		
	permost Producin	g Zone		NL 1821 FEL	_	SWNE		34	9.0 S		22.0 E	_	S		
At Total D			2578 FI	NL 1821 FEL	JEAREST I	SWNE FASELINE (F	<u> </u>	34	9.0 S 23. NUMBER OF ACR		ES IN DRILLING UNIT		<u> </u>		
21. 00011		NTAH		1821 600											
				25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1285					26. PROP	MD:	9099 TVD:	8834			
27. ELEVAT	ION - GROUND LE	EVEL 1854		28. BOND NUMBER WYB000291						CE OF DRILL	ING WATER / OVAL NUMBER 43-8496	IF APPLIC	ABLE		
				Hole, Casi	ng, and	Cement Info	ormation	1							
String	Hole Size	Casing Size				e & Thread		Max Mud	Wt.	Cement	Sacks	Yield	Weight		
Surf	11	8.625	0 - 227	70 28.0	J.	-55 LT&C		0.2		Type V Class G	180	1.15	15.8		
Prod	7.875	4.5	0 - 909	9 11.6	I-	-80 LT&C		12.0)	Class G	290	3.38	12.0		
										Class G	1270	1.31	14.3		
					ATTAC	HMENTS									
	VERIFY	THE FOLLOWII	NG ARE ATTA	CHED IN ACCORD	ANCE W	ITH THE UT	AH OIL A	AND GAS	CONSE	RVATION GE	ENERAL RUL	ES			
₩ WEI	L PLAT OR MAP P	REPARED BY LICI	ENSED SURVEYO	R OR ENGINEER		✓ COM	IPLETE DE	RILLING PI	_AN						
AFFI	DAVIT OF STATUS	OF SURFACE OW	NER AGREEMEN	IT (IF FEE SURFACE)		FORM	M 5. IF OPI	ERATOR IS	OTHER	THAN THE LE	ASE OWNER				
DIRE	CTIONAL SURVEY	PLAN (IF DIREC	TIONALLY OR HO	DRIZONTALLY DRILL	ТОРО	OGRAPHIC	CAL MAP								
NAME Joel	Malefyt			TITLE Regualtory A	nalyst			PHONE	720 929-	6828					
SIGNATUR	E			DATE 10/06/2015				EMAIL jo	oel.malefy	t@anadarko.c	om				
	er assigned 1755458000	0		APPROVAL				B	00.jy						
							Pern	nit Man	ager						

NBU 922-35H Pad Drilling Program
1 of 4

Kerr-McGee Oil & Gas Onshore. L.P.

NBU 922-34G4CS-R

Surface: 1345 FNL / 764 FEL SENE BHL: 2578 FNL / 1821 FEL SWNE

Section 34 T9S R22E

Uintah County, Utah Mineral Lease: UTU-0149077

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. & 2. <u>Estimated Tops of Important Geologic Markers</u>: Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 - Surface	
Green River	1,056'	
Birds Nest	1,373'	Water
Mahogany	1,819'	Water
Wasatch	4,230'	Gas
Mesaverde	6,555'	Gas
Sego	8,801'	Gas
TVD	8,834'	
TD	9,099'	

3. <u>Pressure Control Equipment</u> (Schematic Attached)

Please refer to the Standard Operating Practices on file with the BLM Vernal Field Office.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program

5. <u>Drilling Fluids Program</u>:

Please refer to the attached Drilling Program

1/10/2013

NBU 922-35H Pad Drilling Program 2 of 4

6. Evaluation Program:

Please refer to the attached Drilling Program

7. **Abnormal Conditions:**

Maximum anticipated bottom hole pressure calculated at 8834' TVD, approximately equals 5,389 psi 0.61 psi/ft = actual bottomhole gradient

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 3,469 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. <u>Variances:</u>

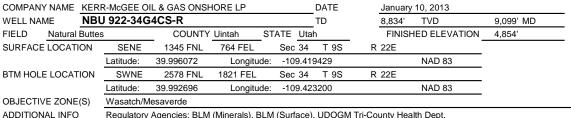
Please refer to the Standard Operating Practices on file with the BLM Vernal Field Office.

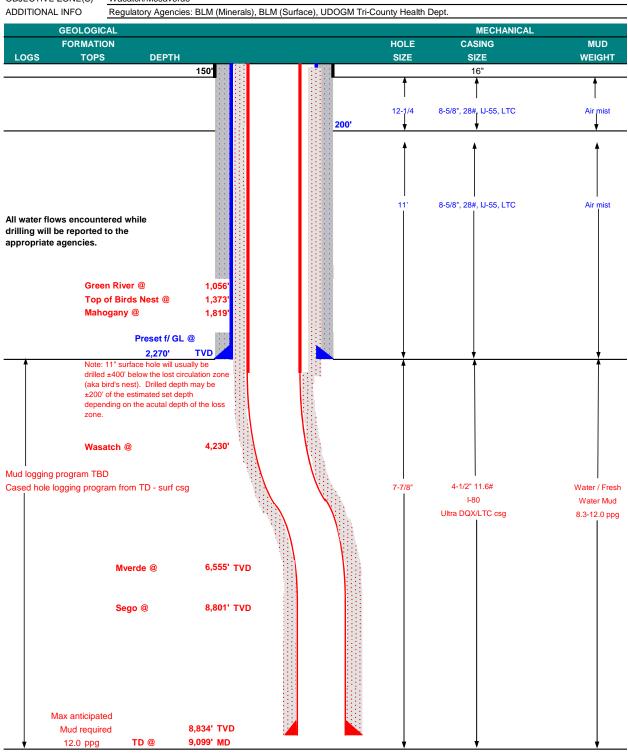
10. Other Information:

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM







KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAI	<u>M</u>	DESIGN FACTORS									
										LTC	DQX
	SIZE	INTE	RVAL		WT.	GR.	CPLG.	BURST	COLL	APSE	TENSION
CONDUCTOR	16"	0-	150'								
								3,390	1,880	348,000	N/A
SURFACE	8-5/8"	0	to	2,270	28.00	IJ-55	LTC	2.38	1.77	6.25	N/A
								7,780	6,350	223,000	267,035
PRODUCTION	4-1/2"	0	to	5,000	11.60	I-80	DQX	1.11	1.15		3.10
								7,780	6,350	223,000	267,035
	4-1/2"	5,000	to	9,099'	11.60	I-80	LTC	1.11	1.15	5.74	

Surface Casing:

(Burst Assumptions: TD =

12.0 ppg)

0.73 psi/ft = frac gradient @ surface shoe

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @

'000 psi)

0.61 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGH	IT	YIELD
SURFACE LEAD	500'	Premium cmt + 2% CaCl	180	60%	15.80		1.15
Option 1		+ 0.25 pps flocele					
TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	270	0%	15.80		1.15
		+ 2% CaCl + 0.25 pps flocele					
SURFACE		NOTE: If well will circulate water to	surface, o	ption 2 will	be utilized		
Option 2 LEAD	1,770'	65/35 Poz + 6% Gel + 10 pps gilsonite	160	35%	11.00		3.82
		+ 0.25 pps Flocele + 3% salt BWOW					
TAIL	500'	Premium cmt + 2% CaCl	150	35%	15.80		1.15
		+ 0.25 pps flocele					
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80		1.15
PRODUCTION LEAD	3,729'	Premium Lite II +0.25 pps celloflake + .4% FL-52	290	35%	12.00		3.38
		+ .3% R-3 + .5 lbs/sk Kol-Seal + 6%Bentonite II +					
		1.2% Sodium Metasilicate + .05 lbs/sk Static Free					
TAIL	5,370'	50/50 Poz/G + 10% salt + .05 lbs/sk Static Free	1,270	35%	14.30		1.31
		+ 1.2% Sodium Metasilicate + .5 % EC-1					
		+.002 gps FP-6L + 2% Bentonite II					

^{*}Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE

Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe

PRODUCTION

Float shoe, 1 jt, float collar. 15 centralizers for a Mesaverde and 20 for a Blackhawk well. 1 centralizer on the first 3 joints and one every third joint thereafter.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

IF extreme mud losses are observed OR cement doesn't reach surface on a well on the pad, a DV Tool may be used. With Cement Baskets above and Below it.

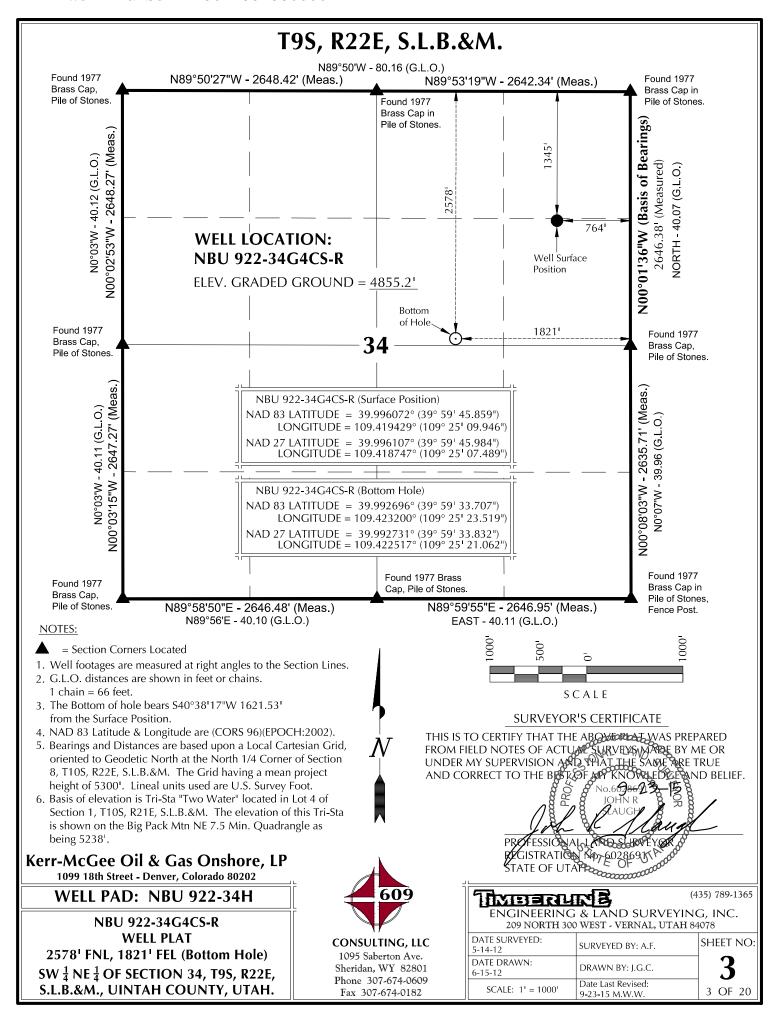
DRILLING ENGINEER:

Nick Spence / John Tuckwiller / Brian Cocchiere / Tyler Elliott

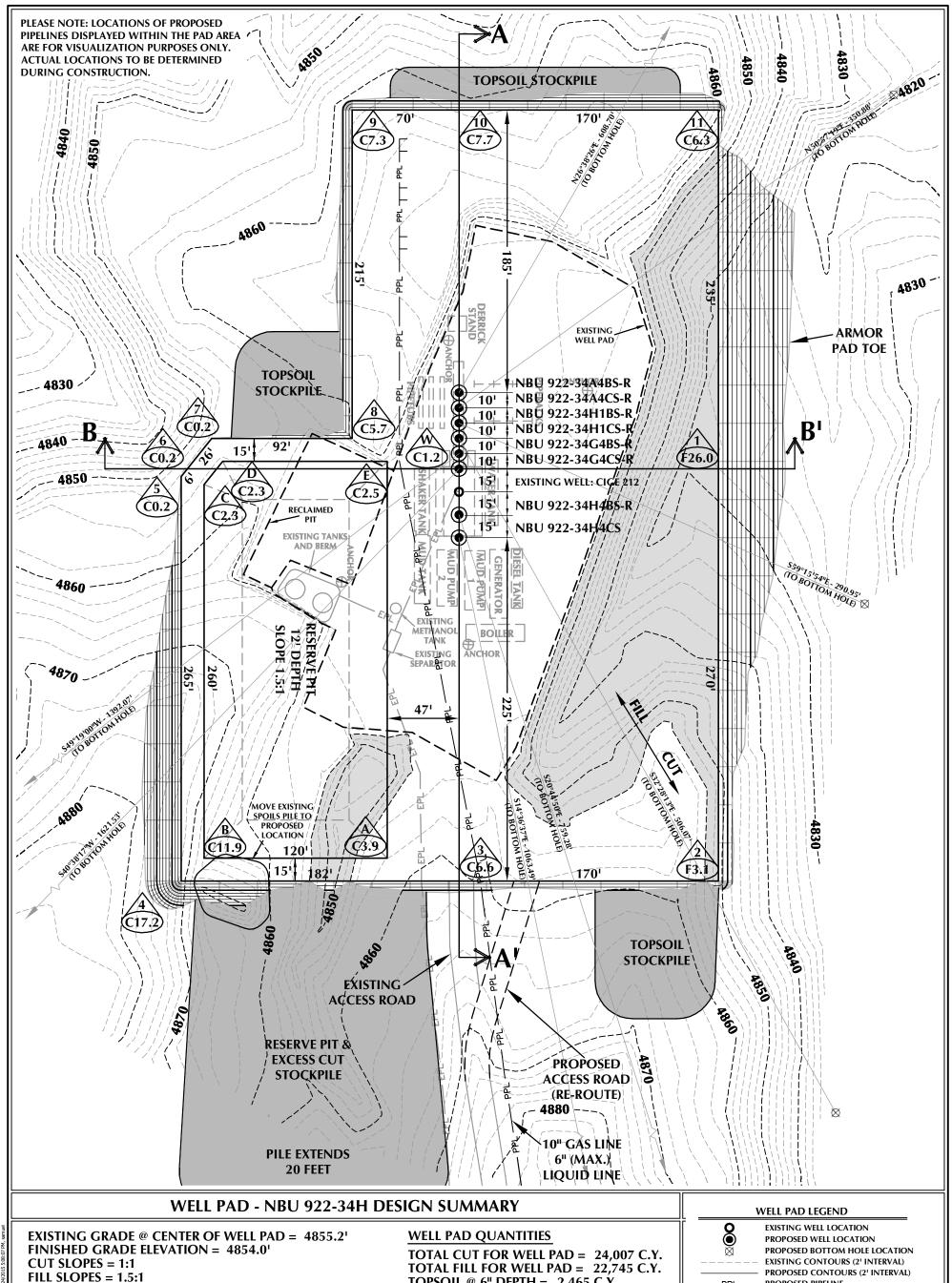
DRILLING SUPERINTENDENT:

Kenny Gathings / Lovel Young

^{*}Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained



			SURFACE POS	SITION						ВС	TTOM HOLE		
WELL NAME		D83	IDE LATITUR	NAD27	ELIDE E		LATIT	NAE			NAD		FOOTAGES
NBU	LATITUDE 39°59'45.415'	LONGITU 109°25'09.				OOTAGES 1390' FNL	LATIT 39°59'3		109°25'06.4	_	LATITUDE 39°59'35.371"	LONGITUDE 109°25'04.017"	2419' FNL
	39.995949°	109.419420	o° 39.99598	3° 109.4187	38°	762' FEL	39.9931		109.418465	, ;	39.993159°	109.417782°	494' FEL
NBU 922-34H4BS-R	39°59'45.562' 39.995990°	109°25'09. 109.419423	'			1375' FNL 763' FEL	39°59'3 39.9940		109°25'06.4 109.418465		39°59'38.671" 39.994075°	109°25'04.017" 109.417782°	2085' FNL 494' FEL
NBU	39°59'45.859'	109°25'09.	946" 39°59'45.	984" 109°25'0	7.489" 1	1345¹ FNL	39°59'3	3.707"	109°25'23.5	19"	39°59'33.832"	109°25'21.062"	2578' FNL
922-34G4CS-R NBU	39.9960/2° 39°59'45.958'	109.419429 109°25'09.				764' FEL 1335' FNL	39.9926 39°59'3		109.423200° 109°25'23.5			109.422517° 109°25'21.062"	1821' FEL 2245' FNL
922-34G4BS-R	39.996099°	109.419432	2° 39.99613	4° 109.4187	49°	765' FEL	39.9936	610°	109.423200	,	39.993645°	109.422517°	1821' FEL
NBU 922-34H1CS-R	39°59'46.056' 39.996127°	' 109°25'09.' 109.419433				1326' FNL 765' FEL	39°59'4 39.9949		109°25'06.4 109.418465	- 1	39°59'41.961" 39.994989°	109°25'04.016" 109.417782°	1752' FNL 494' FEL
	39°59'46.155'	109°25'09.	968" 39°59'46.	280" 109°25'0	7.511" 1	1316' FNL	39°59'4		109°25'06.4	73" 3	39°59'45.260"	109°25'04.016"	1418' FNL
922-34H1BS-R NBU	39.996154° 39°59'46.253'	109.419436 109°25'09.				766' FEL 1306' FNL	39.9958 39°59'4		109.418465° 109°25'06.4	_	39.995906° 39°59'48.560"	109.417782° 109°25'04.016"	494' FEL 1084' FNL
922-34A4CS-R		109.41943	7° 39.99621	5° 109.4187	55°	767' FEL	39.9967		109.418465	, ;	39.996822°	109.417782°	494' FEL
	39°59'46.352' 39.996209°	109°25'09.' 109.419440				1296' FNL 767' FEL	39°59'5 39.9977		109°25'06.4 109.418465	- 1		109°25'04.016" 109.417782°	751' FNL 494' FEL
	39°59'45.711' 39.996031°	109°25'09.				1360' FNL				•			
	39.996031	109.419426	~	5° 109.4187		763' FEL	Position	to Bott	om Hole				
WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST		NAME	NOR		ST .	WELL NAM	E NORTH	EAST
NBU	-1,029.1'	268.31	NBU 922-34H4BS-R	-710.0'	269.01	NBU 932.24	ICACS P	-1,23	0.5' -1,05	6.1'	NBU	-907.51	-1,055.6'
922-34H4CS WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST	_	IG4CS-R NAME	NOR	TH EAS	ST	922-34G4BS WELL NAM		EAST
NBU 922-34H1CS-R	-427.0¹	271.7'	NBU 922-34H1BS-R	-103.0 '	272.1	NBU	IA4CS-R	221			NBU 922-34A4BS	544 11	272.91
	Az. to Exist Az. to Exist Az. to Exist Az. to Exist	. W.H.=176 . W.H.=176 t. W.H.=176 t. W.H.=176	5.71778° 55.0' 5.70556° 45.0' 5.68944° 35.0 6.64694° 25.0 6.66028° 15.0 EXISI 56.74639° 15.	NBU 922- 'NBU 922- 'NBU 922- 'NBU 922- 'ING WELI	34H1 34H10 34G4 34G40 L: CIG	BS-R CS-R BS-R CS-R E 212	15, 10, 10, 10, 10, 1		869°15.	=11 54"[0m		CALE	,09
7			=356.70861°			1,	15.	\					
	549 (T)	9.31667°93	10 20 20 20 20 20 20 20 20 20 20 20 20 20	33/		AZ=165.	- 514°36'37"E-	50°44'50"E	32 80 K. \ 32 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 Xom 506.0.	1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2		to.
,	549° (T	Spor M	6 / 40 die			165.38972	1063.49 Hole)	10	78° 10/e) 28′ – ¶	`			
Kerr-McC 1099 18	Gee Oil &	& Gas C	Onshore, I ado 80202				1063.49 Hole)	1	78° 100e)28'			14.	25) 790 1245
Kerr-McC 1099 18	P Gee Oil 8	& Gas C	Onshore, I ado 80202			38972	1063.49 Hole)		78°			Ÿ	35) 789-1365 S. INC
Kerr-McC 1099 18 WELI	Gee Oil & sth Street - De L PAD - L	& Gas Conver, Color NBU 92 ERFERENC	Onshore, I ado 80202 22-34H E PLAT				1063.49 Hole)		ENGINEE	RING	G & LAND	(4: SURVEYINC NAL, UTAH 84	G, INC.
Kerr-McC 1099 18 WELI WEL WELLS - N	Gee Oil & sth Street - De L PAD - L	R Gas Conver, Color NBU 92 ERFERENCE CS, NBU 92	Onshore, I ado 80202 22-34H E PLAT 22-34H4BS-R,	.P	CONSUL		°°° .49	DATI	ENGINEEI 209 NOR' E SURVEYED:	RING	G & LAND	SURVEYING NAL, UTAH 84	G, INC. 078
Kerr-McC 1099 18 WELI WELIS - N NBU 9: NBU 9:	Gee Oil & th Street - De L PAD - L PAD INTI BU 922-34H222-34G4CS-R 22-34H1CS-R	R Gas Cenver, Color NBU 92 ERFERENC ICS, NBU 922-3 , NBU 922-3	Onshore, I ado 80202 2-34H E PLAT 22-34H4BS-R, 44G4BS-R, 44H1BS-R,	_P	1095 Sal	609 LTING, LL berton Ave.	° .49	DATI 5-14-	ENGINEEI 209 NOR' E SURVEYED:	RING	G & LAND 00 WEST - VER SURVEYED B	SURVEYING NAL, UTAH 84 Y: A.F.	G, INC. 078
WELL WELLS - N NBU 9: NBU 9: NBU 9: NBU 9:	Gee Oil & Sth Street - De L PAD - L PAD INTIBU 922-34H422-34G4CS-R	R Gas Cenver, Color NBU 92 ERFERENCICS, NBU 922-3 , NBU 922-3 & NBU 922-3	Onshore, I ado 80202 2-34H E PLAT 22-34H4BS-R, 44G4BS-R, 44H1BS-R, 34A4BS-R	.P	1095 Sal Sheridan,	609	°	DATI 5-14- DATI 6-15-	ENGINEEI 209 NOR E SURVEYED: 12 E DRAWN:	RIN(G & LAND 00 West - Ver	SURVEYING NAL, UTAH 84 Y: A.F.	G, INC.



TOTAL WELL PAD AREA = 4.12 ACRES TOTAL DISTURBANCE AREA = 5.26 ACRES SHRINKAGE FACTOR = 1.10 SWELL FACTOR = 1.00

Kerr-McGee Oil & Gas Onshore, LP

1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 922-34H

WELL PAD - LOCATION LAYOUT NBU 922-34H4CS, NBU 922-34H4BS-R, NBU 922-34G4CS-R, NBU 922-34G4BS-R, NBU 922-34H1CS-R, NBU 922-34H1BS-R, NBU 922-34A4CS-R & NBU 922-34A4BS-R LOCATED IN SECTION 34, T9S, R22E, S.L.B.&M., UINTAH COUNTY, UTAH



1095 Saberton Avenue

Sheridan, WY 82801

Phone 307-674-0609 Fax 307-674-0182

TOPSOIL @ 6" DEPTH = 2.465 C.Y.EXCESS MATERIAL = 1,262 C.Y.

RESERVE PIT QUANTITIES

TOTAL CUT FOR RESERVE PIT +/- 11,000 C.Y. **RESERVE PIT CAPACITY (2' OF FREEBOARD)** +/- 42,230 BARRELS

TIMBERLINE

(435) 789-1365 ENGINEERING & LAND SURVEYING, INC. 209 NORTH 300 WEST - VERNAL, UTAH 84078

— PPL — PROPOSED PIPELINE — EPL — EXISTING PIPELINE 60¹ HORIZONTAL = 1" = 60" 21 CONTOURS

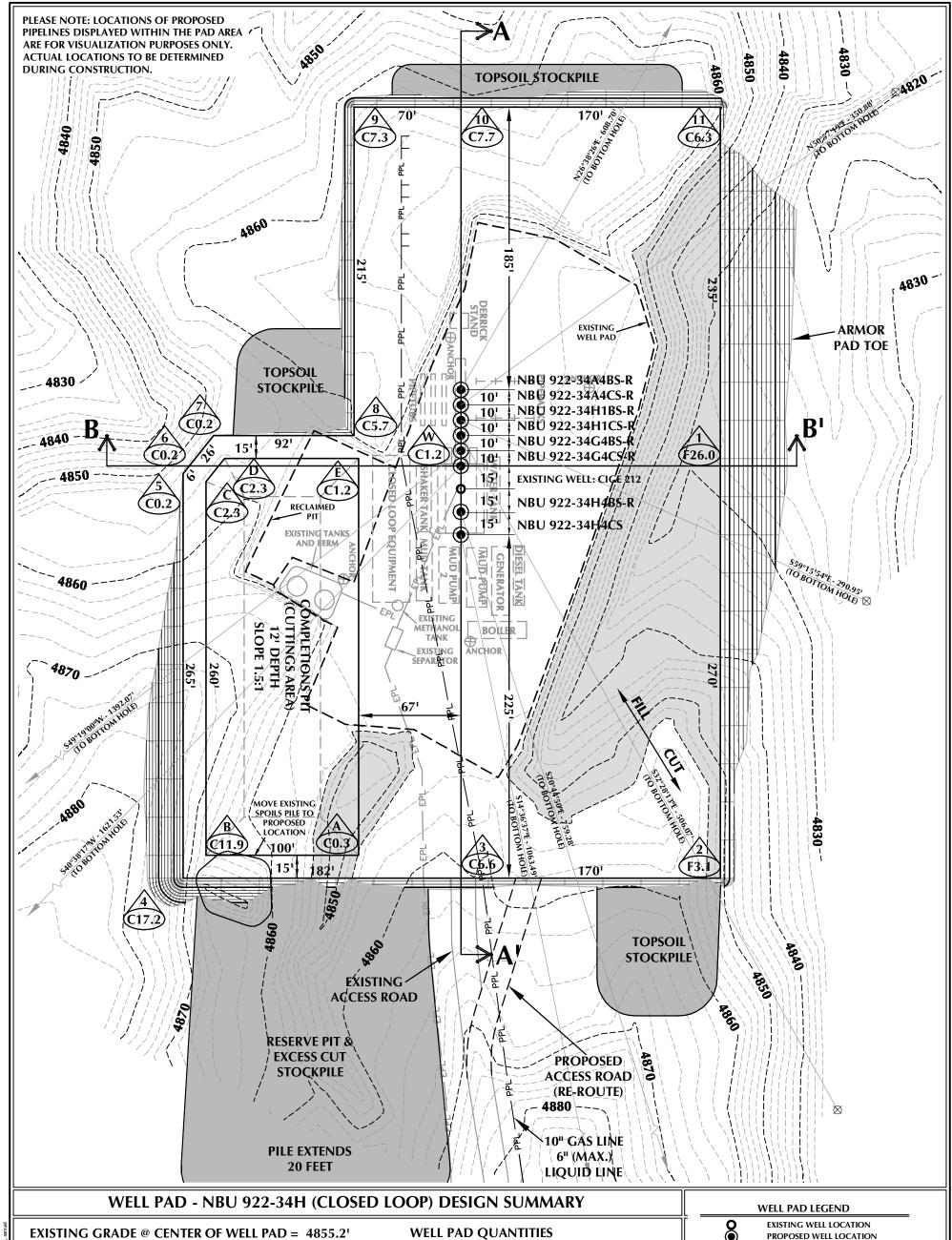
10 10 OF 20 SJM 9/24/15 **REVISED:**

7/10/12

SHEET NO:

1"=60' DATE:

SCALE:



EXISTING GRADE @ CENTER OF WELL PAD = 4855.21 FINISHED GRADE ELEVATION = 4854.01 **CUT SLOPES = 1:1** FILL SLOPES = 1.5:1 **TOTAL WELL PAD AREA = 4.12 ACRES TOTAL DISTURBANCE AREA = 5.26 ACRES SHRINKAGE FACTOR = 1.10 SWELL FACTOR = 1.00**

Kerr-McGee Oil & Gas Onshore, LP

1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 922-34H

WELL PAD - LOCATION LAYOUT NBU 922-34H4CS, NBU 922-34H4BS-R, NBU 922-34G4CS-R, NBU 922-34G4BS-R, NBU 922-34H1CS-R, NBU 922-34H1BS-R, NBU 922-34A4CS-R & NBU 922-34A4BS-R LOCATED IN SECTION 34, T9S, R22E, S.L.B.&M., UINTAH COUNTY, UTAH



1095 Saberton Avenue

Sheridan, WY 82801

Phone 307-674-0609 Fax 307-674-0182

TOTAL CUT FOR WELL PAD = 24,007 C.Y. TOTAL FILL FOR WELL PAD = 22,745 C.Y. TOPSOIL @ 6" DEPTH = 2,465 C.Y. EXCESS MATERIAL = 1,262 C.Y.

COMPLETIONS PIT QUANTITIES

TOTAL CUT FOR COMPLETIONS PIT +/- 33,770 C.Y. **COMPLETIONS PIT CAPACITY** (2' OF FREEBOARD) +/- 8,870 BARRELS

209 NORTH 300 WEST - VERNAL, UTAH 84078

TIMBERLINE ENGINEERING & LAND SURVEYING, INC.

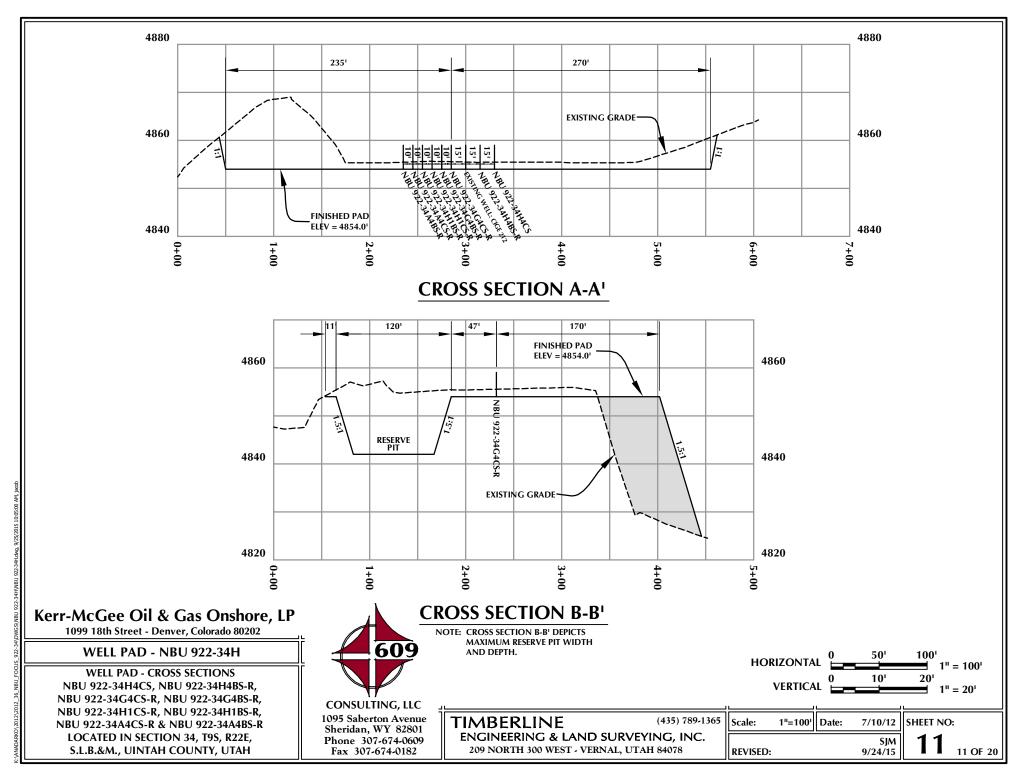
(435) 789-1365

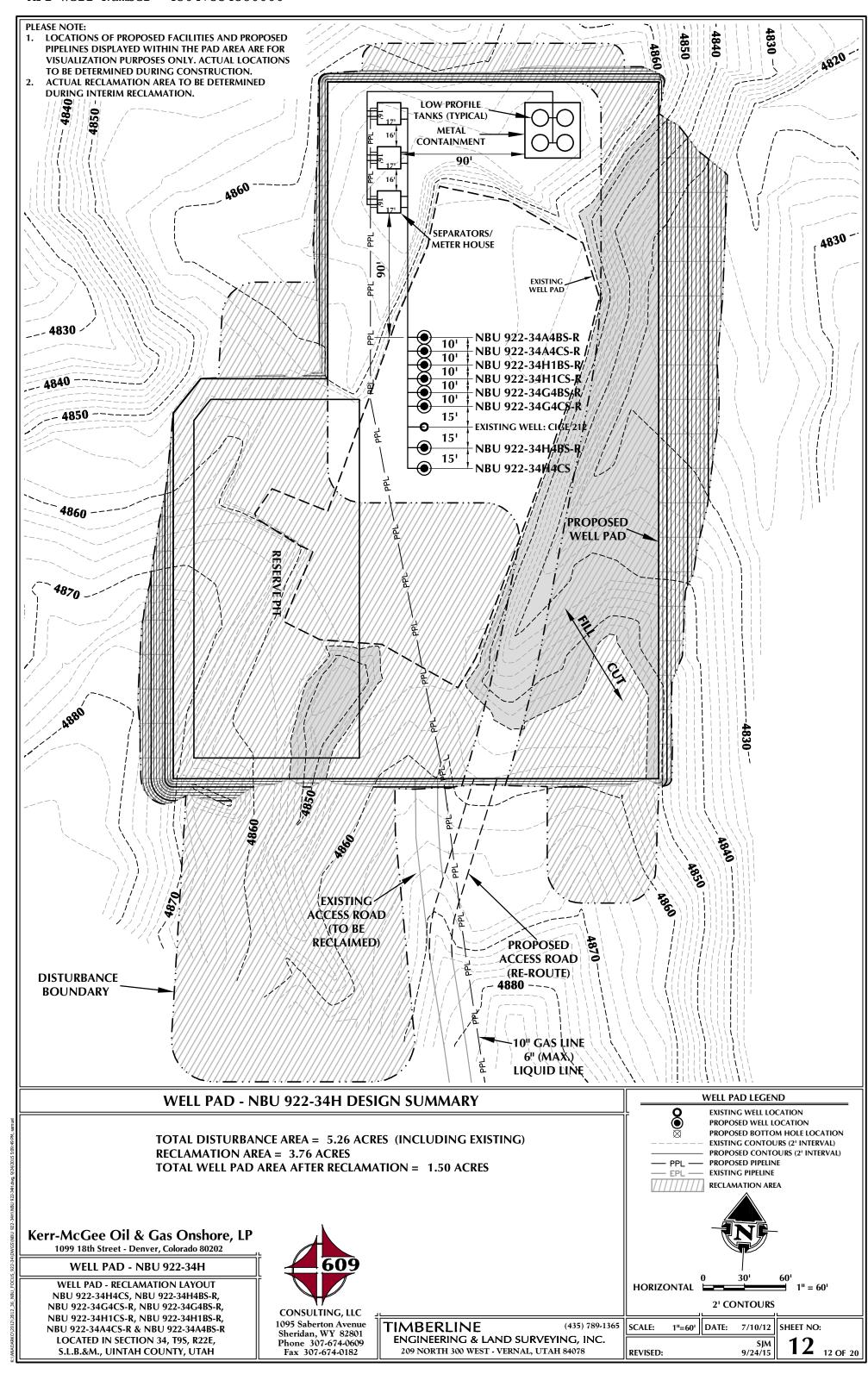
REVISED:

8 PROPOSED WELL LOCATION PROPOSED BOTTOM HOLE LOCATION EXISTING CONTOURS (2' INTERVAL) PROPOSED CONTOURS (21 INTERVAL) — PPL — PROPOSED PIPELINE — EPL — EXISTING PIPELINE 60¹ HORIZONTAL = 1" = 60" 21 CONTOURS **SCALE:** 1"=60' DATE: 9/19/12 SHEET NO:

RECEIVED: October 06, 2015

 $10B_{\tiny{10BOF\ 20}}$





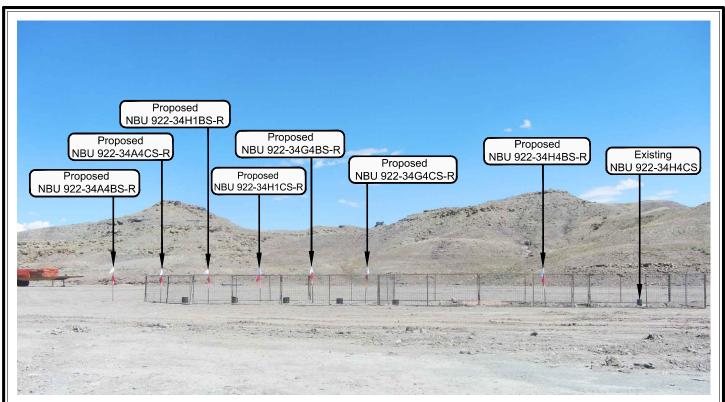


PHOTO VIEW: FROM LOCATION STAKE TO CORNER #1





PHOTO VIEW: FROM EXISTING ACCESS ROAD

CAMERA ANGLE: NORTHERLY

Kerr-McGee Oil & Gas Onshore, LP

1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 922-34H

LOCATION PHOTOS NBU 922-34H4CS, NBU 922-34H4BS-R, NBU 922-34G4CS-R, NBU 922-34G4BS-R, NBU 922-34H1CS-R, NBU 922-34H1BS-R, NBU 922-34A4CS-R & NBU 922-34A4BS-R LOCATED IN SECTION 34, T9S, R22E, S.L.B.&M., UINTAH COUNTY, UTAH



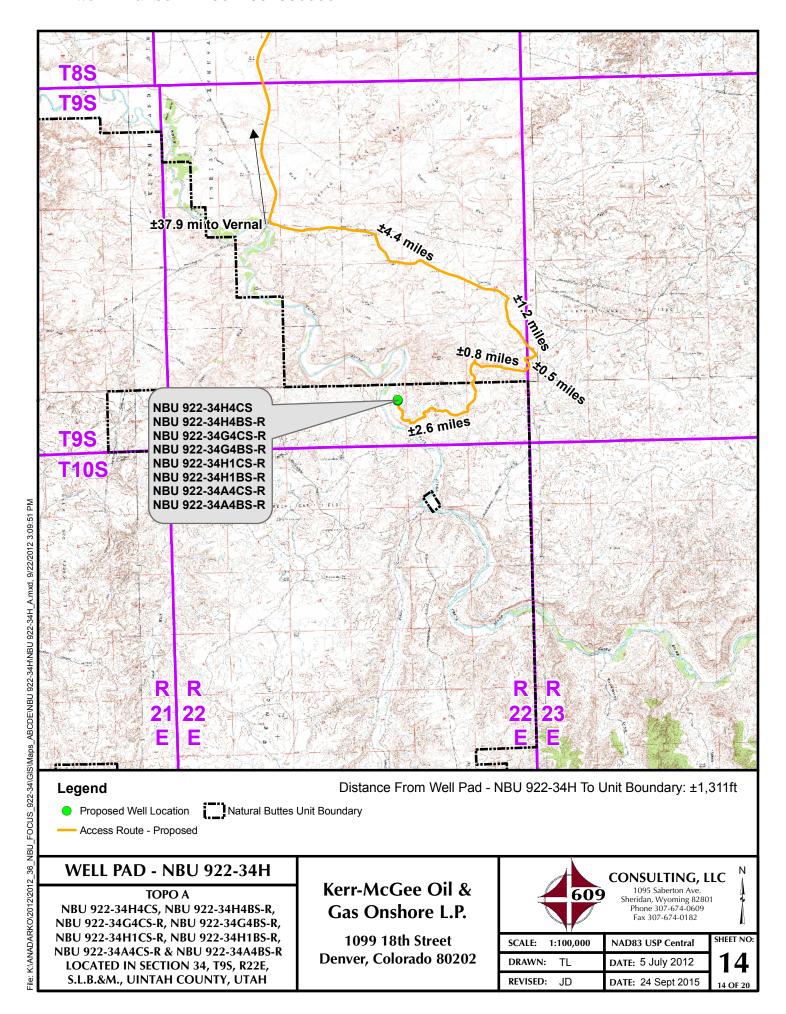
CONSULTING, LLC

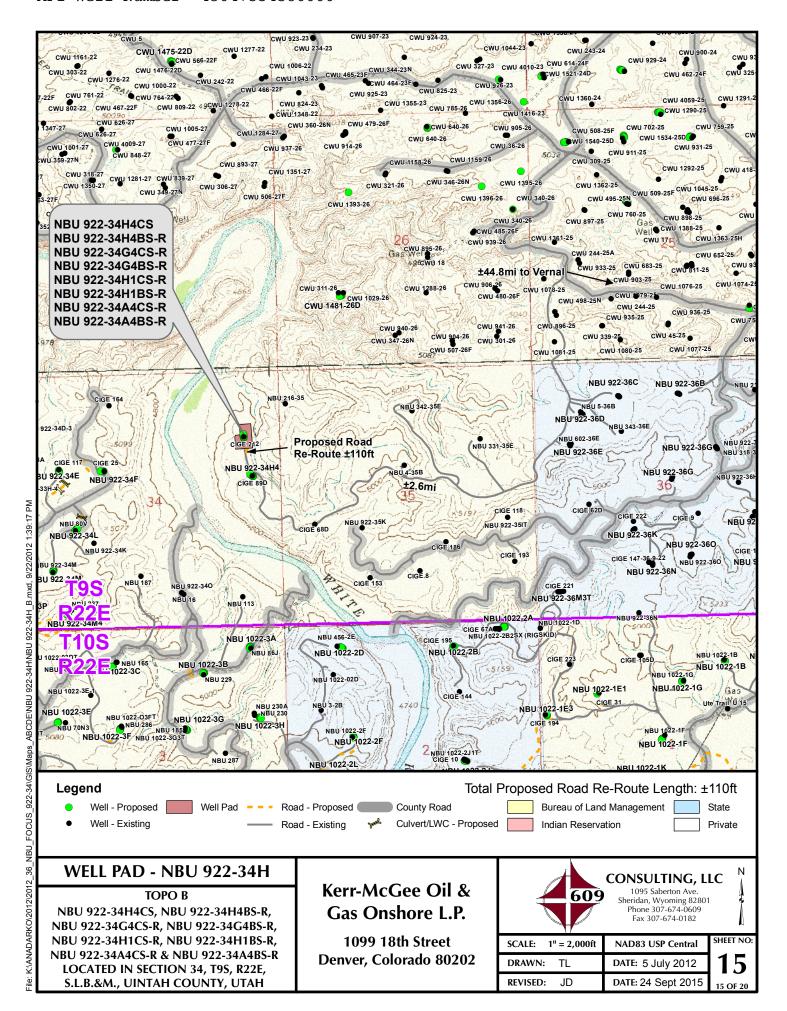
1095 Saberton Ave. Sheridan, WY 82801 Phone 307-674-0609 Fax 307-674-0182

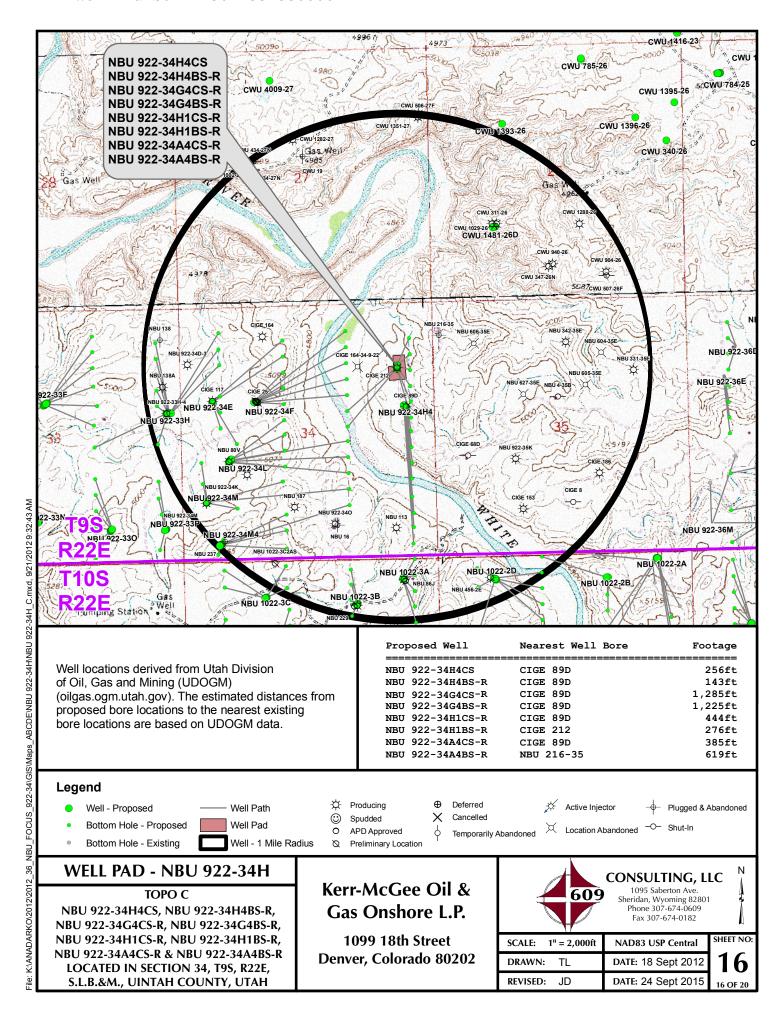
6-15-12

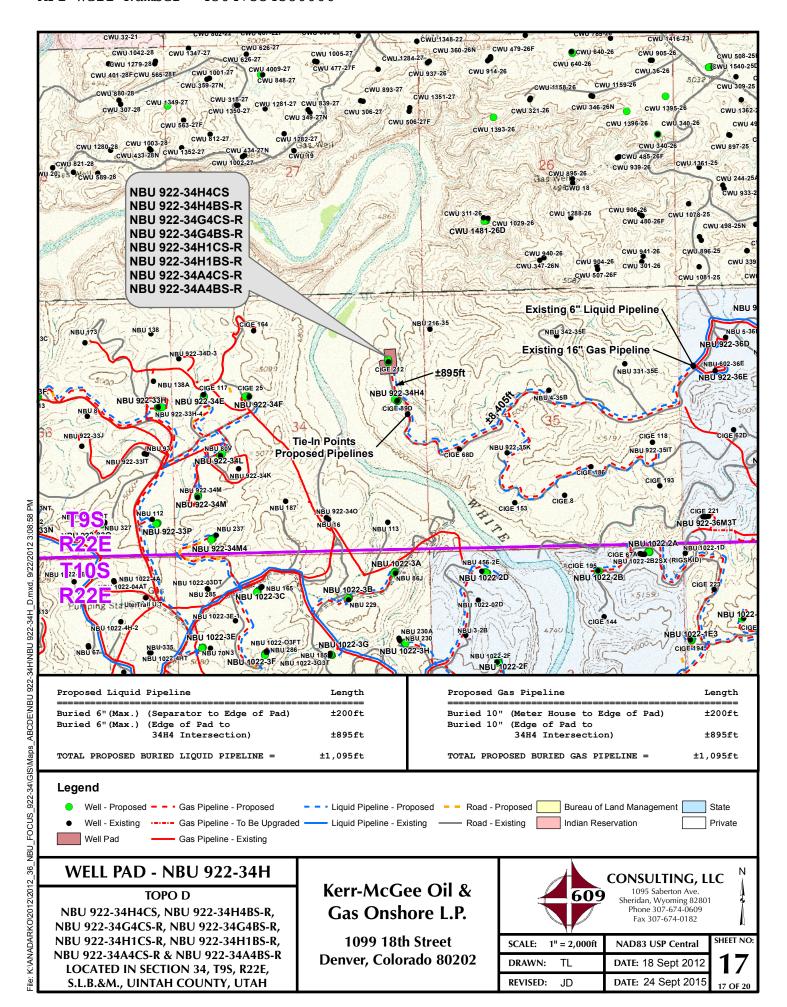
TIMERRY	1 (4	35) 789-1365
ENGINEERING	& LAND SURVEYING West - vernal, utah 84	
DATE PHOTOS TAKEN: 5-14-12	PHOTOS TAKEN BY: A.F.	SHEET NO:
DATE DRAWN:	DRAWN BY: J.G.C.	13

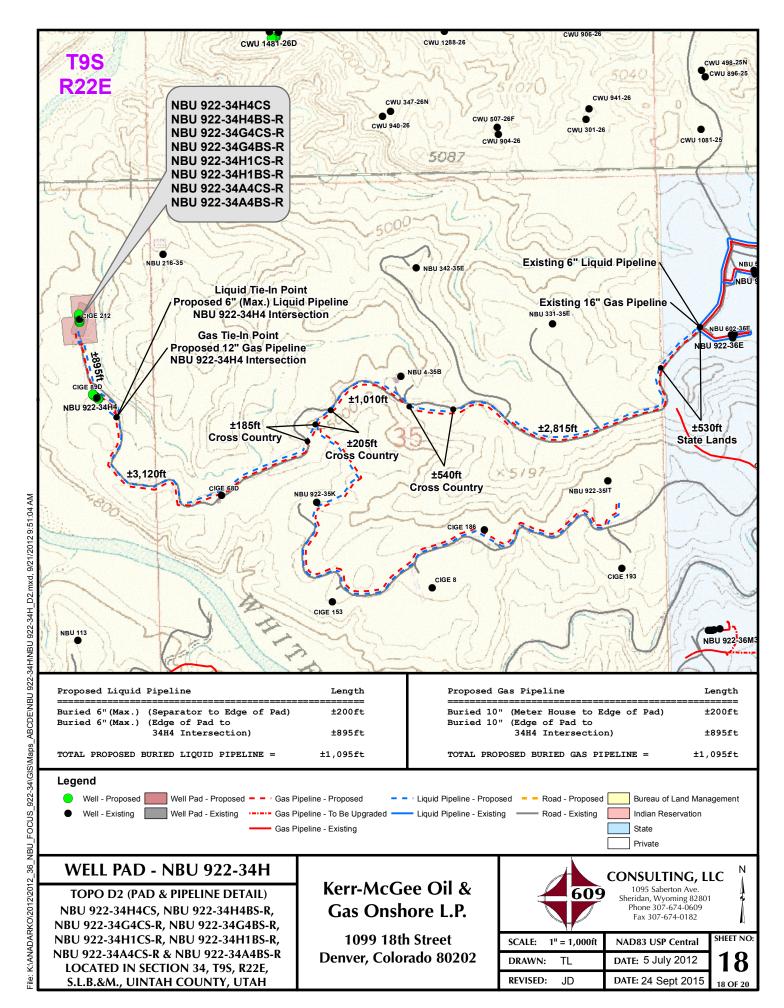
Date Last Revised: 9-23-15 M.W.W. 13 OF 20

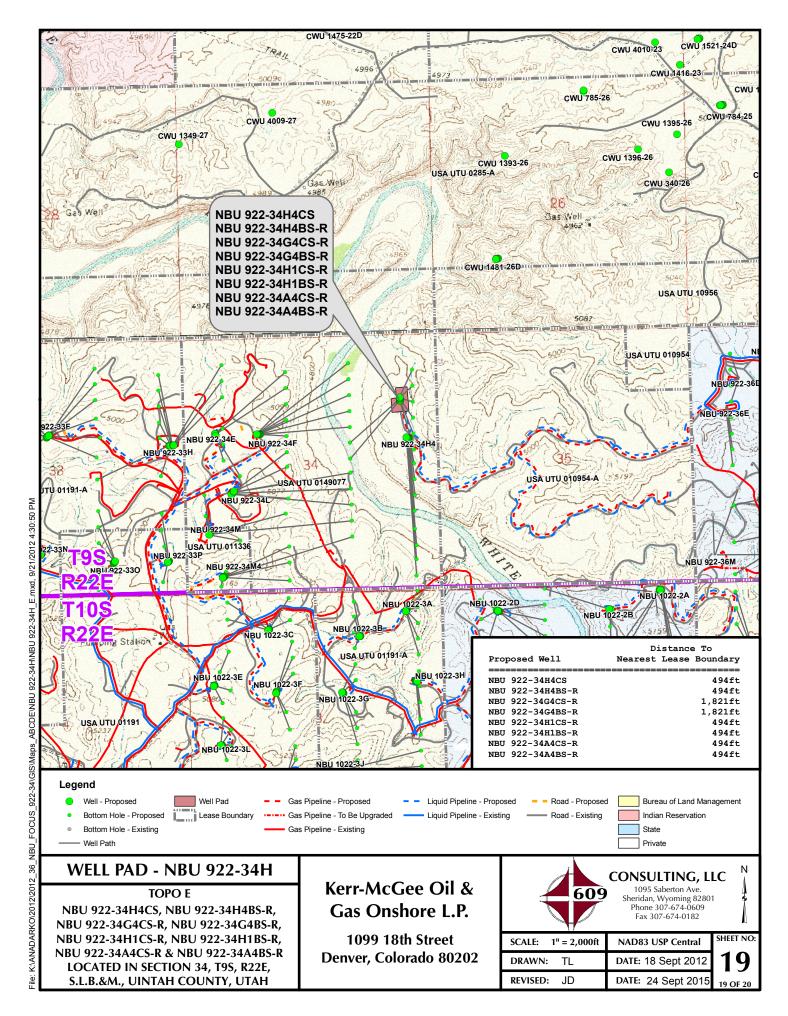












Kerr-McGee Oil & Gas Onshore, LP WELL PAD – NBU 922-34H WELLS – NBU 922-34H4CS, NBU 922-34H4BS-R, NBU 922-34G4CS-R, NBU 922-34G4BS-R, NBU 922-34H1CS-R, NBU 922-34H1BS-R, NBU 922-34A4CS-R & NBU 922-34A4BS-R Section 34, T9S, R22E, S.L.B.&M.

From the intersection of U.S. Highway 40 and 500 East Street in Vernal, Utah, proceed in an easterly, then southerly direction along U.S. Highway 40 approximately 3.3 miles to the junction of State Highway 45. Exit right and proceed in a southerly direction along State Highway 45 approximately 20.2 miles to the junction of the Glen Bench Road (County B Road 3260). Exit right and proceed in a southwesterly direction along the Glen Bench Road approximately 14.4 miles to the intersection of the Fidlar Road (County B Road 3410) which road intersection is approximately 400 feet northeast of the Mountain Fuel Bridge at the White River. Exit left and proceed in a southeasterly direction along the Fidlar Road approximately 4.4 miles to the intersection of the Seven Sisters Road (County B Road 3420) to the south. Exit right and proceed in a southerly, then southeasterly direction along the Seven Sisters Road approximately 1.2 miles to a Class D County Road to the southwest. Exit right and proceed in a southwesterly then southerly direction along the Class D County Road approximately 0.5 miles to a second Class D County Road to the west. Exit right and proceed in a westerly, then northwesterly direction along the second Class D County Road approximately 0.8 miles to a service road to the south. Exit left and proceed in a southerly, then westerly, then northwesterly direction along the service road approximately 2.6 miles to the proposed well location.

Total distance from Vernal, Utah to the proposed well location is approximately 47.4 miles in a southerly direction.

SHEET 20 OF 20

ANADARKO PETROLEUM CORP

UINTAH COUNTY, UTAH (NAD 27) SEC. 34 T9S R22E (NBU 922-34H PAD) NBU 922-34G4CS-R

ORIGINAL WELLBORE 23 September, 2015

Plan: PROPOSAL #1





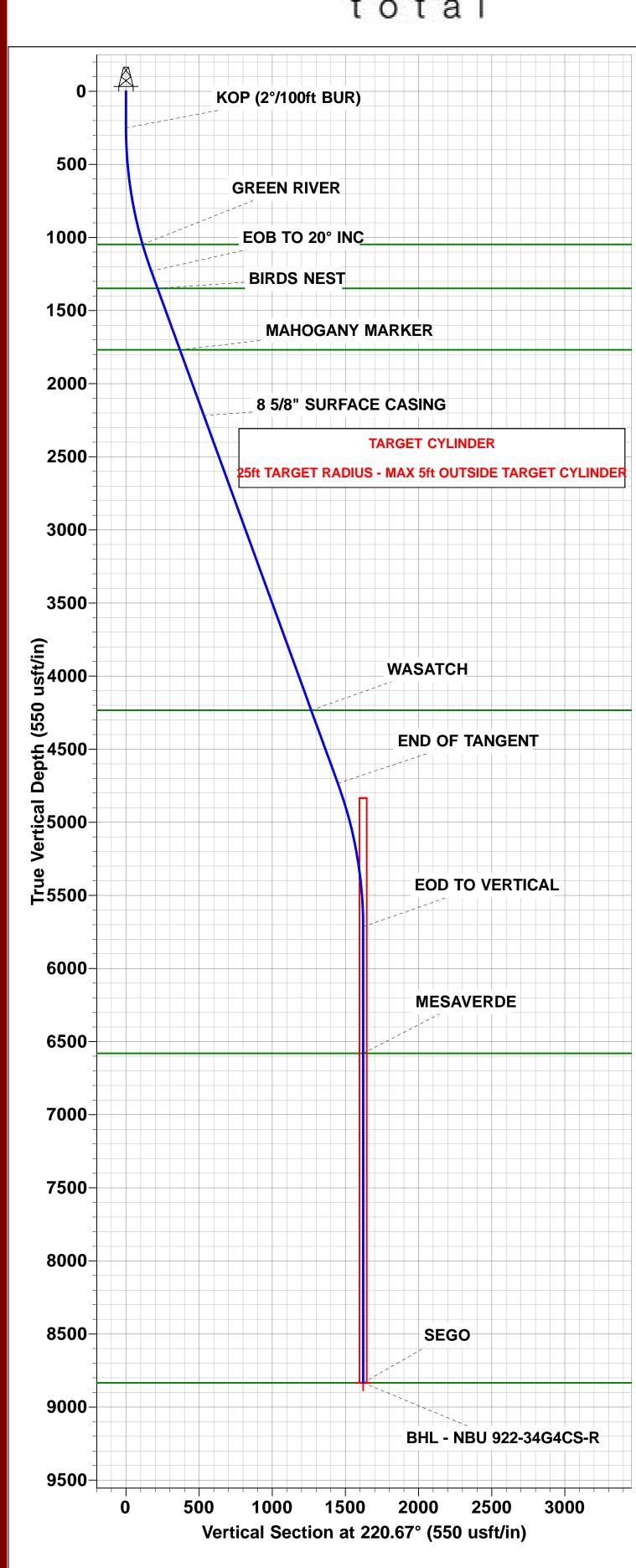
Project: UINTAH COUNTY, UTAH (NAD 27) Site: SEC. 34 T9S R22E (NBU 922-34H PAD)

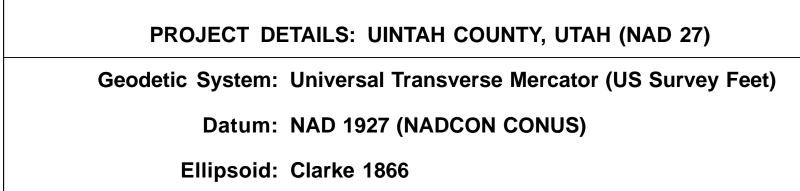
Well: NBU 922-34G4CS-R

Wellbore: ORIGINAL WELLBORE

Design: PROPOSAL #1







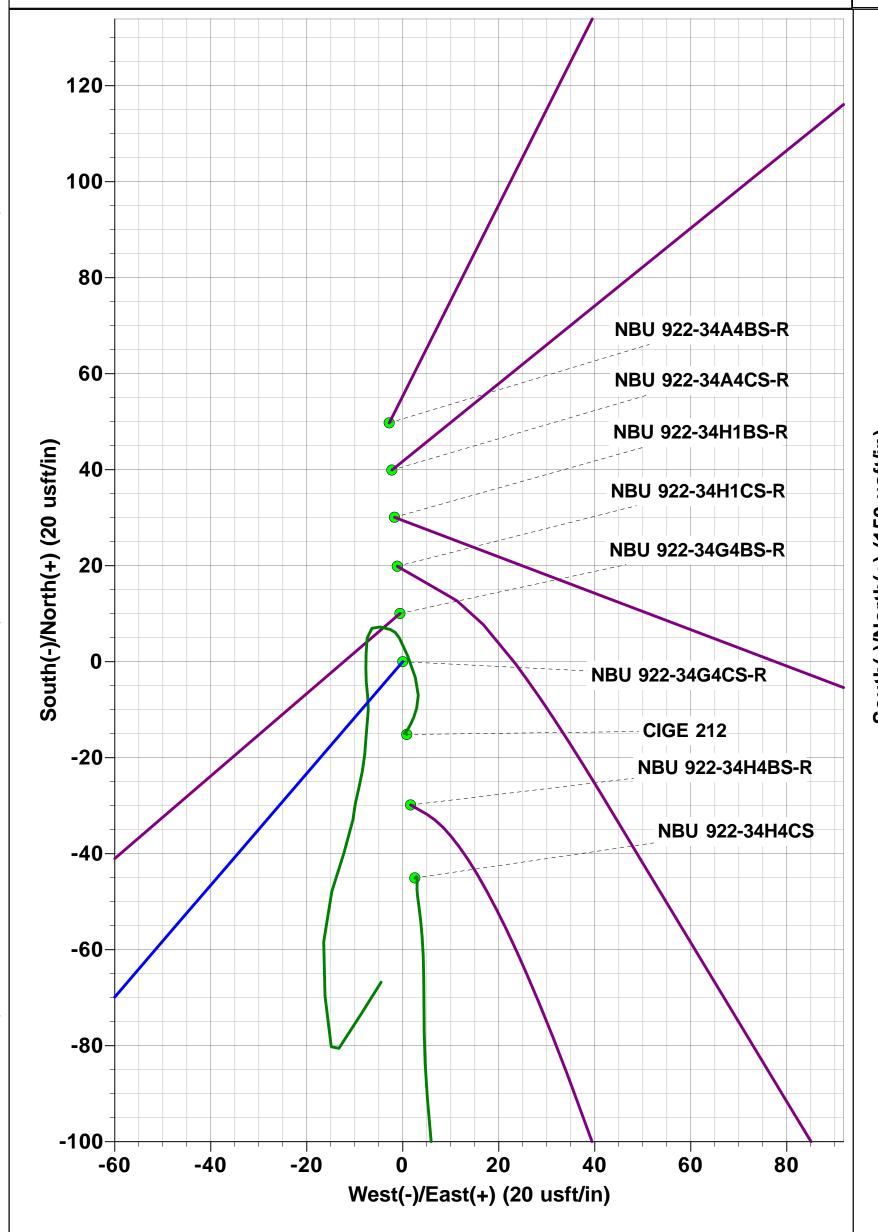
Zone: Zone 12N (114 W to 108 W)

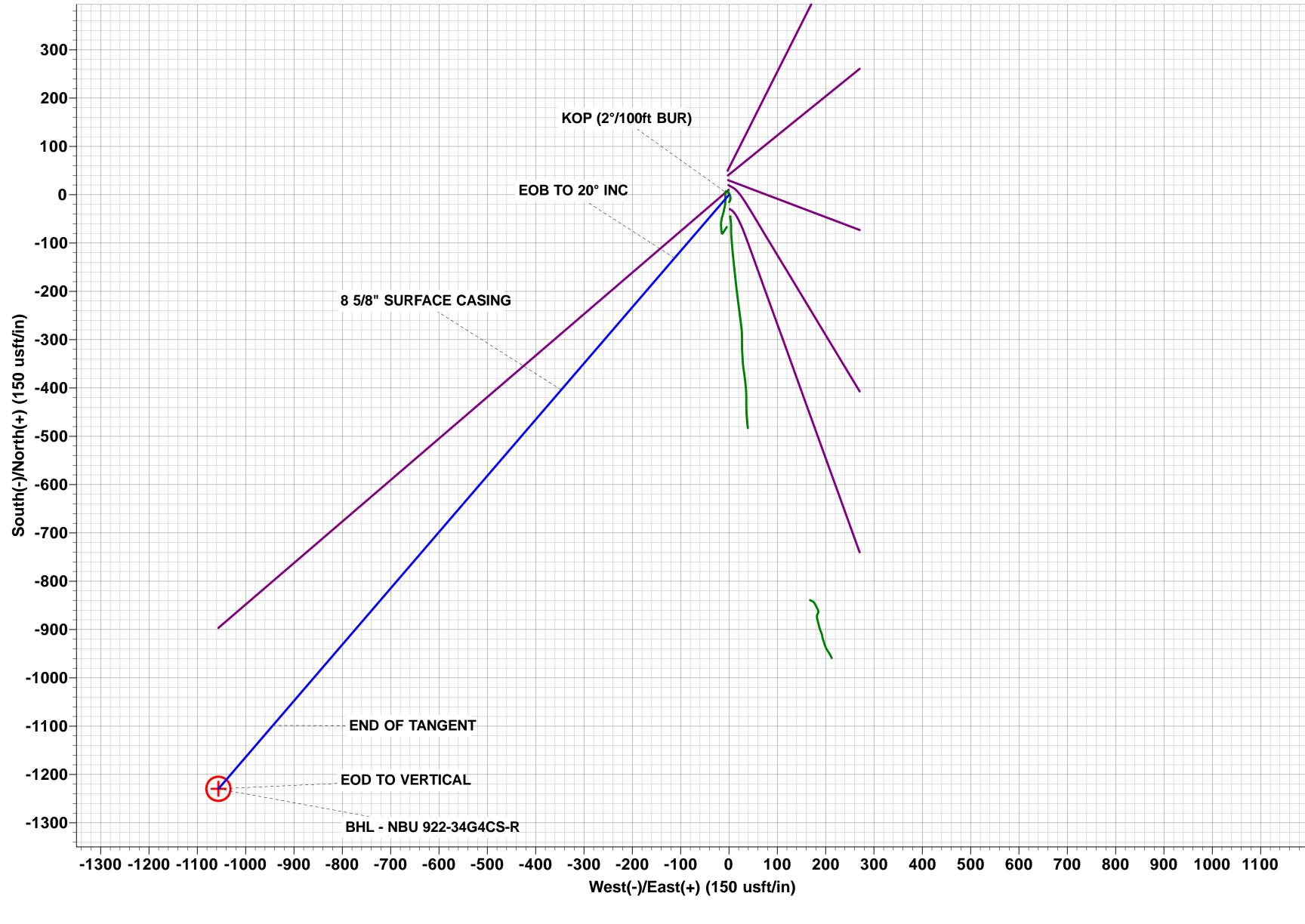
Padsite: SEC. 34 T9S R22E (NBU 922-34H PAD)

Ground Level: 4854.0 +N/-S +E/-W Northing Easting Latittude Longitude 0.0 0.0 14528555.15 2083294.74 39° 59' 45.984 N 109° 25' 7.489 W DESIGN TARGET DETAILS Name TVD +N/-S +E/-W Northing Easting Latitude Longitude BHL - NBU 922-34G4CS-R 8834.0 -1229.6 -1056.4 14527307.18 2082260.55 39° 59' 33.832 N 109° 25' 21.061 W ANNOTATIONS

WELL DETAILS: NBU 922-34G4CS-R

FORM	IATION TOP	DETAILS						ANNO	AHONS			
	MDPath 1057.7 1375.8 1822.7 4447.0 6845.3 9099.3	Formation GREEN RIVER BIRDS NEST MAHOGANY MARKER WASATCH MESAVERDE SEGO	12 22 47 57	TVD 250.0 229.9 218.0 734.1 714.0 834.0	MD 250.0 1250.0 2301.6 4979.3 5979.3 9099.3	Inc 0.00 20.00 20.00 20.00 0.00	Azi 0.00 220.67 220.67 220.67 0.00 0.00	+N/-S 0.0 -131.1 -403.9 -1098.6 -1229.6 -1229.6	+E/-W 0.0 -112.6 -347.0 -943.8 -1056.4 -1056.4	VSectDe 0.0 172.8 532.5 1448.3 1621.1 1621.1	0.0 172.8 532.5 1448.3 1621.1	Annotation KOP (2°/100ft BUR) EOB TO 20° INC 8 5/8" SURFACE CASING END OF TANGENT EOD TO VERTICAL BHL - NBU 922-34G4CS-R





Azimuths to True North

Magnetic North: 10.56°

Strength: 51813.1snT

Dip Angle: 65.76° Date: 23/09/2015

Model: IGRF2015

Magnetic Field



Database: EDM 5000.1 Single User Db
Company: ANADARKO PETROLEUM CORP
Project: UINTAH COUNTY, UTAH (NAD 27)
Site: SEC. 34 T9S R22E (NBU 922-34H PAD)

Well: NBU 922-34G4CS-R
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well NBU 922-34G4CS-R

KB-EST @ 4858.0usft (PROPETRO 12) KB-EST @ 4858.0usft (PROPETRO 12)

True

Mean Sea Level

Minimum Curvature

Project UINTAH COUNTY, UTAH (NAD 27)

Map System: Universal Transverse Mercator (US Survey Fee System Datum:

Geo Datum: NAD 1927 (NADCON CONUS)

Map Zone: Zone 12N (114 W to 108 W)

Zone 12N (114 W to 108 W) Using geodetic scale factor

SEC. 34 T9S R22E (NBU 922-34H PAD)

Northing: 14,528,604.84 usft 39° 59' 46.476 N Site Position: Latitude: From: Lat/Long Easting: 2,083,291.06 usft Longitude: 109° 25' 7.525 W 1.02° **Position Uncertainty:** 0.0 usft Slot Radius: 13-3/16" **Grid Convergence:**

Well NBU 922-34G4CS-R

 Well Position
 +N/-S
 -49.8 usft
 Northing:
 14,528,555.15 usft
 Latitude:
 39° 59′ 45.984 N

 +E/-W
 2.8 usft
 Easting:
 2,083,294.74 usft
 Longitude:
 109° 25′ 7.489 W

Position Uncertainty 0.0 usft Wellhead Elevation: usfl Ground Level: 4,854.0 usft

Wellbore ORIGINAL WELLBORE

 Magnetics
 Model Name
 Sample Date (°)
 Declination (°)
 Dip Angle (°)
 Field Strength (nT)

 IGRF2015
 23/09/2015
 10.56
 65.76
 51,813

Design PROPOSAL #1

Audit Notes:

Site

Version: PROTOTYPE Tie On Depth: 0.0

 Vertical Section:
 Depth From (TVD) (usft)
 +N/-S (usft)
 +E/-W (usft)
 Direction (°)

 8,834.0
 0.0
 0.0
 220.67

Plan Section	ons										
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft	Build Rate (°/100usft	Turn Rate (°/100usft	TFO (°)	Target
0.0	0.00	0.00	0.0	-4,858.0	0.0	0.0	0.00	0.00	0.00	0.00	
250.0	0.00	0.00	250.0	-4,608.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,250.0	20.00	220.67	1,229.9	-3,628.1	-131.1	-112.6	2.00	2.00	0.00	220.67	
4,979.3	20.00	220.67	4,734.1	-123.9	-1,098.6	-943.8	0.00	0.00	0.00	0.00	
5,979.3	0.00	0.00	5,714.0	856.0	-1,229.6	-1,056.4	2.00	-2.00	0.00	180.00	
9,099.3	0.00	0.00	8,834.0	3,976.0	-1,229.6	-1,056.4	0.00	0.00	0.00	0.00	BHL - NBU 922-340



Database: Company: Project: Site:

Well:

EDM 5000.1 Single User Db ANADARKO PETROLEUM CORP UINTAH COUNTY, UTAH (NAD 27) SEC. 34 T9S R22E (NBU 922-34H PAD)

NBU 922-34G4CS-R ORIGINAL WELLBORE

Wellbore: Design:

PROPOSAL #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well NBU 922-34G4CS-R

KB-EST @ 4858.0usft (PROPETRO 12) KB-EST @ 4858.0usft (PROPETRO 12)

Minimum Curvature

Planned Surve	ev									
	,									
MD			TVD	SS			Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(usft)	Inc (°)	Azi (°)	(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.0	0.00	0.00	0.0	4,858.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,758.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,658.00	0.0	0.0	0.0	0.00	0.00	0.00
	2°/100ft BU									
250.0	0.00	0.00	250.0	4,608.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	1.00	220.67	300.0	4,558.00	-0.3	-0.3	0.4	2.00	2.00	0.00
400.0	3.00	220.67 220.67	399.9	4,458.07	-3.0	-2.6	3.9	2.00	2.00	0.00
500.0 600.0	5.00 7.00	220.67 220.67	499.7 599.1	4,358.32 4,258.87	-8.3 -16.2	-7.1 -13.9	10.9 21.4	2.00 2.00	2.00 2.00	0.00 0.00
700.0	9.00	220.67	698.2	4,159.85	-26.8	-23.0	35.3	2.00	2.00	0.00
800.0	11.00	220.67	796.6	4,061.37	-39.9	-34.3	52.6	2.00	2.00	0.00
900.0	13.00	220.67	894.4	3,963.56	-55.7	-47.8	73.4	2.00	2.00	0.00
1,000.0	15.00	220.67	991.5	3,866.54	-74.0	-63.6	97.6	2.00	2.00	0.00
GREE	N RIVER									
1,057.7	16.15	220.67	1,047.0	3,811.00	-85.8	-73.7	113.1	2.00	2.00	0.00
1,100.0	17.00	220.67	1,087.6	3,770.42	-95.0	-81.6	125.2	2.00	2.00	0.00
1,200.0	19.00	220.67	1,182.7	3,675.32	-118.4	-101.7	156.1	2.00	2.00	0.00
	TO 20° INC									
1,250.0	20.00	220.67	1,229.9	3,628.15	-131.1	-112.6	172.8	2.00	2.00	0.00
1,300.0	20.00 S NEST	220.67	1,276.8	3,581.20	-144.0	-123.7	189.9	0.00	0.00	0.00
1,375.8	20.00	220.67	1,348.0	3,510.00	-163.7	-140.6	215.8	0.00	0.00	0.00
1,400.0	20.00	220.67	1,370.8	3,487.23	-170.0	-146.0	224.1	0.00	0.00	0.00
1,500.0	20.00	220.67	1,464.7	3,393.26	-195.9	-168.3	258.3	0.00	0.00	0.00
1,600.0	20.00	220.67	1,558.7	3,299.29	-221.9	-190.6	292.5	0.00	0.00	0.00
1,700.0	20.00	220.67	1,652.7	3,205.32	-247.8	-212.9	326.7	0.00	0.00	0.00
1,800.0	20.00	220.67	1,746.6	3,111.36	-273.7	-235.2	360.9	0.00	0.00	0.00
	GANY MAF		4 700 0		070.0	0.40.0				2.22
1,822.7 1,900.0	20.00 20.00	220.67 220.67	1,768.0 1,840.6	3,090.00 3,017.39	-279.6 -299.7	-240.2 -257.5	368.7 395.1	0.00 0.00	0.00 0.00	0.00 0.00
-			•	•						
2,000.0	20.00 20.00	220.67 220.67	1,934.6 2,028.6	2,923.42 2,829.45	-325.6 -351.6	-279.7 -302.0	429.3 463.5	0.00 0.00	0.00 0.00	0.00 0.00
2,100.0 2,200.0	20.00	220.67	2,026.6	2,735.48	-351.6	-302.0	463.5 497.7	0.00	0.00	0.00
2,300.0	20.00	220.67	2,216.5	2,641.51	-403.5	-346.6	531.9	0.00	0.00	0.00
8 5/8"	SURFACE	CASING								
2,301.6	20.00	220.67	2,218.0	2,640.00	-403.9	-347.0	532.5	0.00	0.00	0.00
2,400.0	20.00	220.67	2,310.5	2,547.54	-429.4	-368.9	566.1	0.00	0.00	0.00
2,500.0 2,600.0	20.00 20.00	220.67 220.67	2,404.4 2,498.4	2,453.57 2,359.61	-455.4 -481.3	-391.2 -413.5	600.3 634.5	0.00 0.00	0.00 0.00	0.00 0.00
2,700.0	20.00	220.67	2,592.4	2,265.64	-507.2	-435.8	668.7	0.00	0.00	0.00
2,800.0	20.00	220.67	2,686.3	2,171.67	-533.2	-458.0	702.9	0.00	0.00	0.00
2,900.0	20.00	220.67	2,780.3	2,077.70	-559.1	-480.3	737.1	0.00	0.00	0.00
3,000.0	20.00	220.67	2,874.3	1,983.73	-585.1	-502.6	771.3	0.00	0.00	0.00
3,100.0	20.00	220.67	2,968.2	1,889.76	-611.0	-524.9	805.5	0.00	0.00	0.00
3,200.0	20.00	220.67	3,062.2	1,795.79	-637.0	-547.2	839.7	0.00	0.00	0.00
3,300.0	20.00	220.67	3,156.2	1,701.82	-662.9	-569.5	873.9	0.00	0.00	0.00
3,400.0	20.00	220.67	3,250.1	1,607.86	-688.9	-591.8	908.1	0.00	0.00	0.00
3,500.0 3,600.0	20.00 20.00	220.67 220.67	3,344.1 3,438.1	1,513.89 1,419.92	-714.8 -740.7	-614.1 -636.4	942.3 976.5	0.00 0.00	0.00 0.00	0.00 0.00
3,700.0	20.00	220.67	3,532.1	1,325.95	-740.7	-658.6	1,010.7	0.00	0.00	0.00
3,800.0	20.00	220.67	3,626.0	1,231.98	-792.6	-680.9	1,045.0	0.00	0.00	0.00
3,900.0	20.00	220.67	3,720.0	1,138.01	-818.6	-703.2	1,079.2	0.00	0.00	0.00
4,000.0	20.00	220.67	3,814.0	1,044.04	-844.5	-725.5	1,113.4	0.00	0.00	0.00



Database: Company: Project: Site:

EDM 5000.1 Single User Db ANADARKO PETROLEUM CORP UINTAH COUNTY, UTAH (NAD 27) SEC. 34 T9S R22E (NBU 922-34H PAD)

NBU 922-34G4CS-R ORIGINAL WELLBORE

Wellbore: Design:

Well:

PROPOSAL #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well NBU 922-34G4CS-R

KB-EST @ 4858.0usft (PROPETRO 12) KB-EST @ 4858.0usft (PROPETRO 12)

Minimum Curvature

Planned Surve	еу									
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,100.0 4,200.0 4,300.0	20.00 20.00 20.00	220.67 220.67 220.67	3,907.9 4,001.9 4,095.9	950.07 856.11 762.14	-870.5 -896.4 -922.3	-747.8 -770.1 -792.4	1,147.6 1,181.8 1,216.0	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
4,400.0	20.00	220.67	4,189.8	668.17	-948.3	-814.7	1,250.2	0.00	0.00	0.00
WASA										
4,447.0 4,500.0 4,600.0 4,700.0	20.00 20.00 20.00 20.00	220.67 220.67 220.67 220.67	4,234.0 4,283.8 4,377.8 4,471.7	624.00 574.20 480.23 386.26	-960.5 -974.2 -1,000.2 -1,026.1	-825.1 -836.9 -859.2 -881.5	1,266.2 1,284.4 1,318.6 1,352.8	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
4,800.0 4,900.0	20.00 20.00	220.67 220.67	4,565.7 4,659.7	292.29 198.32	-1,052.1 -1,078.0	-903.8 -926.1	1,387.0 1,421.2	0.00 0.00	0.00 0.00	0.00 0.00
	OF TANGEN		4.704.4	400.05	4 000 0	0.40.0	4 440 0	0.00	0.00	0.00
4,979.3 5,000.0 5,100.0	20.00 19.59 17.59	220.67 220.67 220.67	4,734.1 4,753.7 4,848.5	123.85 104.33 9.55	-1,098.6 -1,103.9 -1,128.1	-943.8 -948.3 -969.1	1,448.3 1,455.3 1,487.2	0.00 2.00 2.00	0.00 -2.00 -2.00	0.00 0.00 0.00
5,200.0 5,300.0 5,400.0 5,500.0 5,600.0	15.59 13.59 11.59 9.59 7.59	220.67 220.67 220.67 220.67 220.67	4,944.3 5,041.1 5,138.6 5,236.9 5,335.8	-86.28 -183.06 -280.65 -378.94 -477.82	-1,149.7 -1,168.8 -1,185.4 -1,199.3 -1,210.6	-987.7 -1,004.1 -1,018.3 -1,030.3 -1,040.0	1,515.7 1,540.9 1,562.7 1,581.1 1,596.0	2.00 2.00 2.00 2.00 2.00	-2.00 -2.00 -2.00 -2.00 -2.00	0.00 0.00 0.00 0.00 0.00
5,700.0 5,800.0 5,900.0	5.59 3.59 1.59	220.67 220.67 220.67	5,435.2 5,534.8 5,634.7	-577.15 -676.83 -776.72	-1,219.3 -1,225.4 -1,228.8	-1,047.5 -1,052.7 -1,055.6	1,607.5 1,615.5 1,620.0	2.00 2.00 2.00	-2.00 -2.00 -2.00	0.00 0.00 0.00
	TO VERTICA			252.22	4 000 0	4.050.4	4 00 4 4			
5,979.3 6,000.0	0.00 0.00	0.00 0.00	5,714.0 5,734.7	-856.00 -876.71	-1,229.6 -1,229.6	-1,056.4 -1,056.4	1,621.1 1,621.1	2.00 0.00	-2.00 0.00	0.00 0.00
6,100.0 6,200.0 6,300.0 6,400.0 6,500.0	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	5,834.7 5,934.7 6,034.7 6,134.7 6,234.7	-976.71 -1,076.71 -1,176.71 -1,276.71 -1,376.71	-1,229.6 -1,229.6 -1,229.6 -1,229.6 -1,229.6	-1,056.4 -1,056.4 -1,056.4 -1,056.4 -1,056.4	1,621.1 1,621.1 1,621.1 1,621.1 1,621.1	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
6,600.0 6,700.0 6,800.0	0.00 0.00 0.00	0.00 0.00 0.00	6,334.7 6,434.7 6,534.7	-1,476.71 -1,576.71 -1,676.71	-1,229.6 -1,229.6 -1,229.6	-1,056.4 -1,056.4 -1,056.4	1,621.1 1,621.1 1,621.1	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
	VERDE	0.00	0.500.0	4 700 00	4 000 0	4.050.4	4 004 4	0.00	0.00	0.00
6,845.3 6,900.0	0.00 0.00	0.00 0.00	6,580.0 6,634.7	-1,722.00 -1,776.71	-1,229.6 -1,229.6	-1,056.4 -1,056.4	1,621.1 1,621.1	0.00 0.00	0.00 0.00	0.00 0.00
7,000.0 7,100.0 7,200.0 7,300.0 7,400.0	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	6,734.7 6,834.7 6,934.7 7,034.7 7,134.7	-1,876.71 -1,976.71 -2,076.71 -2,176.71 -2,276.71	-1,229.6 -1,229.6 -1,229.6 -1,229.6 -1,229.6	-1,056.4 -1,056.4 -1,056.4 -1,056.4 -1,056.4	1,621.1 1,621.1 1,621.1 1,621.1 1,621.1	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
7,500.0 7,600.0 7,700.0 7,800.0 7,900.0	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	7,234.7 7,334.7 7,434.7 7,534.7 7,634.7	-2,376.71 -2,476.71 -2,576.71 -2,676.71 -2,776.71	-1,229.6 -1,229.6 -1,229.6 -1,229.6 -1,229.6	-1,056.4 -1,056.4 -1,056.4 -1,056.4 -1,056.4	1,621.1 1,621.1 1,621.1 1,621.1 1,621.1	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
8,000.0 8,100.0 8,200.0 8,300.0 8,400.0	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	7,734.7 7,834.7 7,934.7 8,034.7 8,134.7	-2,876.71 -2,976.71 -3,076.71 -3,176.71 -3,276.71	-1,229.6 -1,229.6 -1,229.6 -1,229.6 -1,229.6	-1,056.4 -1,056.4 -1,056.4 -1,056.4	1,621.1 1,621.1 1,621.1 1,621.1 1,621.1	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
8,500.0	0.00	0.00	8,234.7	-3,376.71	-1,229.6	-1,056.4	1,621.1	0.00	0.00	0.00



Database: Company: Project: Site:

Wellbore:

Design:

Well:

EDM 5000.1 Single User Db ANADARKO PETROLEUM CORP UINTAH COUNTY, UTAH (NAD 27) SEC. 34 T9S R22E (NBU 922-34H PAD)

NBU 922-34G4CS-R ORIGINAL WELLBORE PROPOSAL #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well NBU 922-34G4CS-R

KB-EST @ 4858.0usft (PROPETRO 12) KB-EST @ 4858.0usft (PROPETRO 12)

True

Minimum Curvature

Planned Surve	ә у									
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,600.0	0.00	0.00	8,334.7	-3,476.71	-1,229.6	-1,056.4	1,621.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,434.7	-3,576.71	-1,229.6	-1,056.4	1,621.1	0.00	0.00	0.00
8,800.0	0.00	0.00	8,534.7	-3,676.71	-1,229.6	-1,056.4	1,621.1	0.00	0.00	0.00
8,900.0	0.00	0.00	8,634.7	-3,776.71	-1,229.6	-1,056.4	1,621.1	0.00	0.00	0.00
9,000.0	0.00	0.00	8,734.7	-3,876.71	-1,229.6	-1,056.4	1,621.1	0.00	0.00	0.00
BHL -	NBU 922-3	34G4CS-R - S	EGO							
9,099.3	0.00	0.00	8,834.0	-3,976.00	-1,229.6	-1,056.4	1,621.1	0.00	0.00	0.00

Formations						
	MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
	1,057.7	1,047.0	GREEN RIVER		0.00	
	1,375.8	1,348.0	BIRDS NEST		0.00	
	1,822.7	1,768.0	MAHOGANY MARKER		0.00	
	4,447.0	4,234.0	WASATCH		0.00	
	6,845.3	6,580.0	MESAVERDE		0.00	
	9,099.3	8,834.0	SEGO		0.00	

Plan Annotations					
		Local Co			
MD (usft)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
250.0	250.0	0.0	0.0	KOP (2°/100ft BUR)	
1,250.0	1,229.9	-131.1	-112.6	EOB TO 20° INC	
2,301.6	2,218.0	-403.9	-347.0	8 5/8" SURFACE CASING	
4,979.3	4,734.1	-1,098.6	-943.8	END OF TANGENT	
5,979.3	5,714.0	-1,229.6	-1,056.4	EOD TO VERTICAL	
9,099.3	8,834.0	-1,229.6	-1,056.4	BHL - NBU 922-34G4CS-R	

NBU 922-34A4BS / NBU 922-34A4CS / NBU 922-34G4BS NBU 922-34G4CS / NBU 922-34H1BS / NBU 922-34H1CS / NBU 922-34H4BS / NBU 922-34H4CS

Kerr-McGee Oil & Gas Onshore. L.P.

NBU 922-34H PAD

<u>API #</u>		NBU 922-34A4BS-R					
	Surface:	1296 FNL / 767 FEL	NENE				
	BHL:	751 FNL / 494 FEL	NENE				
<u>API #</u>		NBU 922-34A4CS-R					
	Surface:	1306 FNL / 767 FEL	NENE				
	BHL:	1084 FNL / 494 FEL	NENE				
<u>API #</u>	NBU 922-34G4BS-R						
	Surface:	1335 FNL / 765 FEL	SENE				
	BHL:	2245 FNL / 1821 FEL	SWNE				
<u>API #</u>		NBU 922-34G4CS-R					
	Surface:	1345 FNL / 764 FEL	SENE				
	BHL:	2578 FNL / 1821 FEL	SWNE				
<u>API #</u>		NBU 922-34H1BS-R					
	Surface:	1316 FNL / 766 FEL	SENE				
	BHL:	1418 FNL / 494 FEL	SENE				
<u>API #</u>		NBU 922-34H1CS-R					
	Surface:	1326 FNL / 765 FEL	SENE				
	BHL:	1752 FNL / 494 FEL	SENE				
			02.12				
<u> API #</u>		NBU 922-34H4BS-R	02.12				
<u>API #</u>	-	•	SENE				
<u>API #</u>	Surface:	NBU 922-34H4BS-R					
<u>API #</u> <u>API #4304753743</u>	Surface: BHL:	NBU 922-34H4BS-R 1375 FNL / 763 FEL	SENE				
	Surface: BHL:	NBU 922-34H4BS-R 1375 FNL / 763 FEL 2085 FNL / 494 FEL	SENE				

This Surface Use Plan of Operations (SUPO) or 13-point plan provides site-specific information for the above-referenced wells.

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, these wells will be directionally drilled. Refer to Topo Map A for directions to the location and Topo Maps A and B for location of access roads within a 2-mile radius.

NBU 922-34A4BS / NBU 922-34A4CS / NBU 922-34G4BS NBU 922-34G4CS / NBU 922-34H1BS / NBU 922-34H1CS / NBU 922-34H4BS / NBU 922-34H4CS Surface Use Plan of Operations 2 of 7

An on-site meeting was held on August 16-17, 2012. Present were:

- · Dave Gordon, Tyler Cox, Aaron Roe and Brian Barnett BLM;
- Jessi Brunson USFWS;
- · Bill Knapp ICF Consulting;
- Jacob Dunham 609 Consulting;
- · Mitch Batty Timberline Engineering & Land Surveying, Inc.; and
- Gina Becker, Charles Chase, Lindsey Frazier, Doyle Holmes, Randy Townley and Casey McKee- Kerr-McGee

A. Existing Roads:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Please refer to Topo B for existing roads.

B. New or Reconstructed Access Roads:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

The following segments are "on-lease"

±110' (0.02 miles) – Section 34 T9S R22E (SE/4 NE/4) – On-lease UTU-0149077, from the edge of pad to the T-intersection in SE/4 NE/4. Please refer to Topo B.

C. Location of Existing Wells:

Please refer to Topo C for exiting wells.

D. Location of Existing and/or Proposed Facilities:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

This pad will expand the existing pad for the CIGE 212, which is a producing gas well according to Utah Division of Oil, Gas and Mining (UDOGM) records on of pad November 21, 2012. Gathering (pipeline) infrastructure will be utilized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee Oil and Gas Onshore LP (Kerr-McGee).

GAS GATHERING

Please refer to Exhibit A and Topo D2- Pad and Pipeline Detail.

The total gas gathering pipeline distance from the meter to the tie in point is $\pm 9,500$ ' and the individual segments are broken up as follows:

The following segments are "onlease", no ROW needed.

 $\pm 200^{\circ}$ (0.04 miles) – Section 34 T9S R22E (SE/4 NE/4) – On-lease UTU-0149077, BLM surface, New 10" buried gas gathering pipeline from the meter to the edge of the pad. Please refer to Topo D2 - Pad and Pipeline Detail.

NBU 922-34A4BS / NBU 922-34A4CS / NBU 922-34G4BS NBU 922-34G4CS / NBU 922-34H1BS / NBU 922-34H1CS / NBU 922-34H4BS / NBU 922-34H4CS

Surface Use Plan of Operations 3 of 7

- ±895' (0.2 miles) Section 34 T9S R22E (SE/4 NE/4) On-lease UTU-0149077, BLM surface, New 10" buried gas gathering pipeline from the edge of the pad to tie-in to the proposed buried 12" gas gathering pipeline at the NBU 922-34H4 Pad intersection . Please refer to Exhibit A, Line 9.
- ±3,305' (0.6 miles) Section 34 T9S R22E (SE/4 NE/4) On-lease UTU-0149077 and UTU-010954-A, BLM surface, New 12" buried gas gathering pipeline from the NBU 922-34H4 Pad pipeline intersection to tie-in to the proposed buried 16" gas gathering pipeline at the NBU 922-35N Pad intersection located at SE/4 NW/4, Section 35 of T9S-R22E. There will be 185' of cross country gas gathering pipeline. This pipeline will be used concurrently with the NBU 922-34H4 Pad. Please refer to Exhibit A, Lines 7 and 6.

The following segments require a ROW. Anadarko Uintah Midstream (AUM) will apply for an SF-299/POD under separate cover. AUM will also apply for the appropriate State easements. Listed below is the gas gathering pipeline distances:

- ±4,570' (0.9 miles) Section 35 T9S R22E On-lease UTU 010954-A, BLM surface, New 16" buried gas gathering pipeline from the NBU 922-35N Pad intersection to the eastern lease boundary. There are two segments of pipeline that are cross county, 205' (Exhibit A, Line 5) and 540' (Exhibit A, Line 3). Please refer to Exhibit A, Lines 5, 4, 3 and 2.
- ±530' (0.1 miles) Section 36 T9S R22E On-lease ST UT ML-22650, SITLA surface, New 16" buried gas gathering pipeline from the western lease boundary to the tie-in to the existing buried 16" gas gathering pipeline at the NBU 922-36E Pad. Please refer to Exhibit A, Line 1.

LIQUID GATHERING

Please refer to Exhibit B and Topo D2- Pad and Pipeline Detail.

The total liquid gathering pipeline distance from the separator to the tie in point is $\pm 9,500$ ' and the individual segments are broken up as follows:

The following segments are "onlease", no ROW needed.

- ±200' (0.04 miles) Section 34 T9S R22E (SE/4 NE/4) On-lease UTU-0149077, BLM surface, New 6" buried liquid gathering pipeline from the separator to the edge of the pad. Please refer to Topo D2 - Pad and Pipeline Detail.
- ± 895 ' (0.2 miles) Section 34 T9S R22E (SE/4 NE/4) On-lease UTU-0149077, BLM surface, New 6" buried liquid gathering pipeline from the edge of the pad to tie-in to the proposed buried 6" liquid gathering pipeline at the NBU 922-34H4 Pad intersection . Please refer to Exhibit B, Line 9.
- ±3,305' (0.6 miles) Section 34 T9S R22E (SE/4 NE/4) On-lease UTU-0149077 and UTU-010954-A, BLM surface, New 6" buried liquid gathering pipeline from the NBU 922-34H4 Pad pipeline intersection to tie-in to the proposed buried 6" liquid gathering pipeline at the NBU 922-35N Pad intersection located at SE/4 NW/4, Section 35 of T9S-R22E. There will be 185' of cross country liquid gathering pipeline. This pipeline will be used concurrently with the NBU 922-34H4 Pad. Please refer to Exhibit B, Lines 7 and 6.

NBU 922-34A4BS / NBU 922-34A4CS / NBU 922-34G4BS NBU 922-34G4CS / NBU 922-34H1BS / NBU 922-34H1CS / NBU 922-34H4BS / NBU 922-34H4CS Surface Use Plan of Operations 4 of 7

±4,570' (0.9 miles) – Section 35 T9S R22E – On-lease UTU 010954-A, BLM surface, New 6" buried liquid gathering pipeline from the NBU 922-35N Pad intersection to the eastern lease boundary. There are two segments of pipeline that are cross county, 205' (Exhibit B, Line 5) and 540' (Exhibit B, Line 3). This pipeline will be used concurrently with the NBU 922-34H4, NBU 922-35N, NBU 922-35O, NBU 922-35I, NBU 922-35F, NBU 922-35G and NBU 922-35H. Please refer to Exhibit B, Lines 5, 4, 3 and 2.

Anadarko Uintah Midstream (AUM) will apply for the appropriate State easements under separate cover. Listed below is the liquid gathering pipeline distances:

±530' (0.1 miles) – Section 36 T9S R22E – On-lease ST UT ML-22650, SITLA surface, New 6" buried liquid gathering pipeline from the western lease boundary to the tie-in to the existing buried 6" liquid gathering pipeline at the NBU 922-36E Pad. Please refer to Exhibit B, Line 1.

Pipeline Gathering Construction

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

The Anadarko Completions Transportation System (ACTS) information:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Please refer to Exhibit C for ACTS Lines

E. Location and Types of Water Supply:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Water will be hauled to location over the roads marked on Maps A and B.

F. Construction Materials:

 $Please\ refer\ to\ the\ Standard\ Operating\ Practices\ on\ file\ at\ the\ BLM\ Vernal\ Field\ Office\ dated\ October\ 31,\ 2012.$

G. Methods for Handling Waste:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Materials Management

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

H. Ancillary Facilities:

No additional ancillary facilities are planned for this location.

NBU 922-34A4BS / NBU 922-34A4CS / NBU 922-34G4BS NBU 922-34G4CS / NBU 922-34H1BS / NBU 922-34H1CS / NBU 922-34H4BS / NBU 922-34H4CS

Surface Use Plan of Operations 5 of 7

I. Well Site Layout:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

J. Plans for Surface Reclamation:

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Interim Reclamation

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Final Reclamation

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Measures Common to Interim and Final Reclamation

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Weed Control

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

Monitoring

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

K. Surface/Mineral Ownership:

United States of America Bureau of Land Management 170 South 500 East Vernal, UT 84078 (435)781-4400

L. Other Information:

Cultural and Paleontological Resources

Please refer to the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

NBU 922-34A4BS / NBU 922-34A4CS / NBU 922-34G4BS NBU 922-34G4CS / NBU 922-34H1BS / NBU 922-34H1CS / NBU 922-34H4BS / NBU 922-34H4CS

Surface Use Plan of Operations 6 of 7

Resource Reports:

A Class I literature survey was completed on September 21, 2012 by Montgomery Archaeological Consultants, Inc (MOAC). For additional details please refer to report MOAC-12-264.

A paleontological reconnaissance survey was completed on September 20, 2012 by SWCA Environmental Consultants. For additional details please refer to report SWCA-UT12-14314-178.

Biological field survey was completed on August 25, 2012 by Grasslands Consulting, Inc (GCI). For additional details please refer to report GCI-845.

Proposed Action Annual Emissions Tables:

Please refer to the Appendix in the Standard Operating Practices on file at the BLM Vernal Field Office dated October 31, 2012.

NBU 922-34A4BS / NBU 922-34A4CS / NBU 922-34G4BS NBU 922-34G4CS / NBU 922-34H1BS / NBU 922-34H1CS / NBU 922-34H4BS / NBU 922-34H4CS

Surface Use Plan of Operations 7 of 7

M. Lessee's or Operators' Representative & Certification:

Gina T. Becker Senior Regulatory Analyst Kerr-McGee Oil & Gas Onshore LP PO Box 173779 Denver, CO 80217-3779 (720) 929-6086 Tommy Thompson General Manager, Drilling Kerr-McGee Oil & Gas Onshore LP PO Box 173779 Denver, CO 80217-3779 (720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

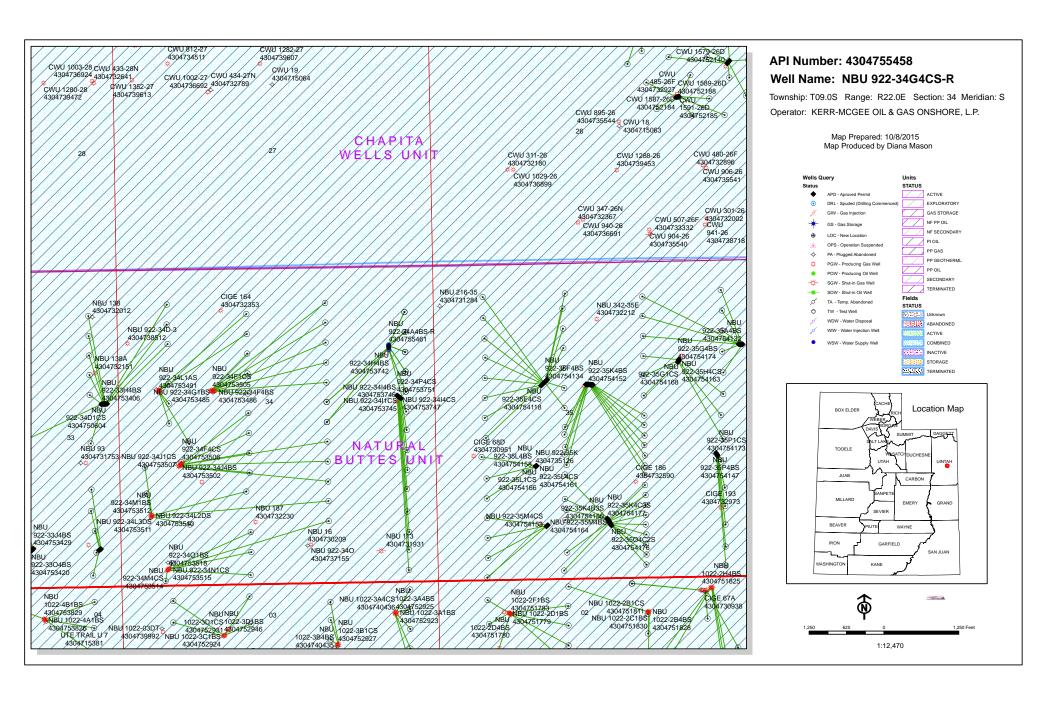
The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

	January 23, 2013
Gina T.Becker	Date



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office 440 West 200 South, Suite 500 Salt Lake City, UT 84101

IN REPLY REFER TO: 3160 (UT-922)

October 19, 2015

Memorandum

To: Assistant Field Office Manager Minerals,

Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2015 Plan of Development Natural Buttes Unit

Uintah County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2015 within the Natural Buttes Unit, Uintah County, Utah. The wells were previously permitted at a slightly different surface location (see our memo dated May 20, 2013).

API # WELL NAME LOCATION

(Proposed PZ WASATCH-MESA VERDE)

PAD NBU

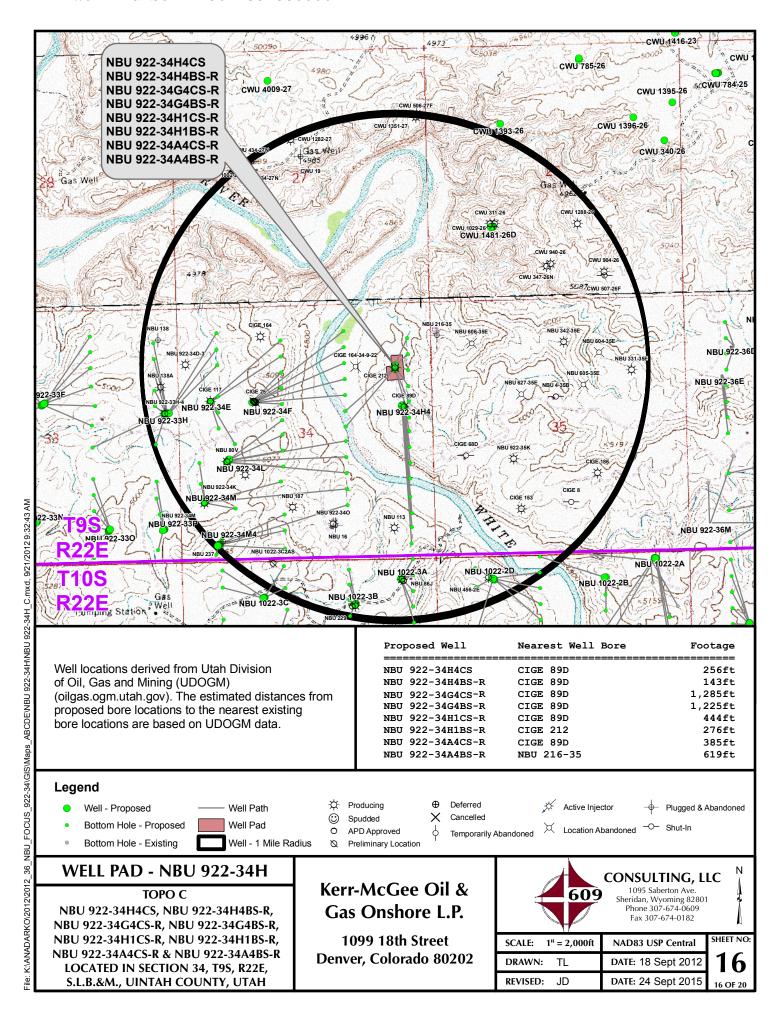
43-047-55455 NBU 922-34H4BS-R Previously 43-047-53742 BHL	 -			
43-047-55456 NBU 922-34H1CS-R Previously 43-047-53741 BHL				
43-047-55457 NBU 922-34H1BS-R Previously 43-047-53740 BHL				
43-047-55458 NBU 922-34G4CS-R Previously 43-047-53739 BHL	 -			
43-047-55459 NBU 922-34G4BS-R Previously 43-047-53738 BHL				
43-047-55460 NBU 922-34A4CS-R Previously 43-047-53737 BHL				
43-047-55461 NBU 922-34A4BS-R Previously 43-047-53736 BHL				

This office has no objection to permitting the wells at this time.



bcc: File - Natural Buttes Unit
 Division of Oil Gas and Mining
 UT920 - Reading File
 Agr. Sec. Chron

MCoulthard:mc:10-19-15





Project: UINTAH COUNTY, UTAH (NAD 27)

Site: SEC. 34 T9S R22E (NBU 922-34H PAD)

Well: NBU 922-34H4BS-R

Wellbore: ORIGINAL WELLBORE

Design: PROPOSAL #1

Formation

GREEN RIVER

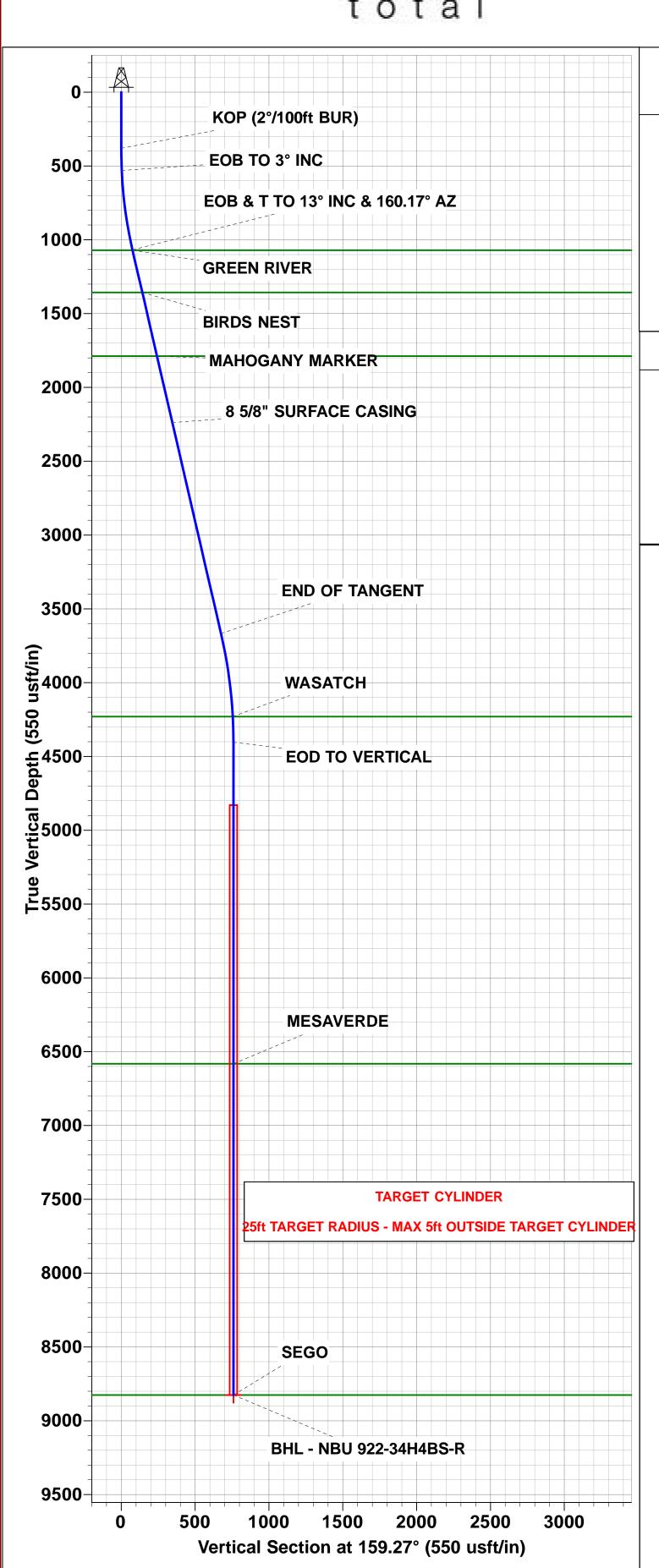
MAHOGANY MARKER

BIRDS NEST

MESAVERDE

WASATCH





PROJECT DETAILS: UINTAH COUNTY, UTAH (NAD 27)									
Geodetic System:	Universal Transverse Mercator (US Survey Feet)								
Datum:	NAD 1927 (NADCON CONUS)								
Ellipsoid:	Clarke 1866								

Zone: Zone 12N (114 W to 108 W)

MDPath

1076.9

1370.4

1812.7

4310.4

6662.5

TVDPath

1071.0

1357.0

1788.0

4230.0

6582.0

Padsite: SEC. 34 T9S R22E (NBU 922-34H PAD)

FORMATION TOP DETAILS

0.00

3.00

13.00

13.00

13.00

160.17

-710.2

TVD

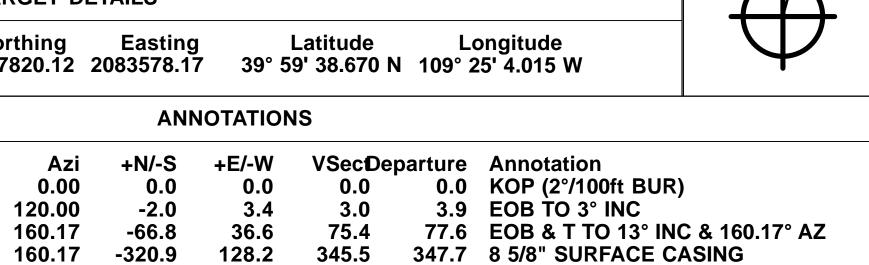
380.0

1073.9

2274.6

3741.4

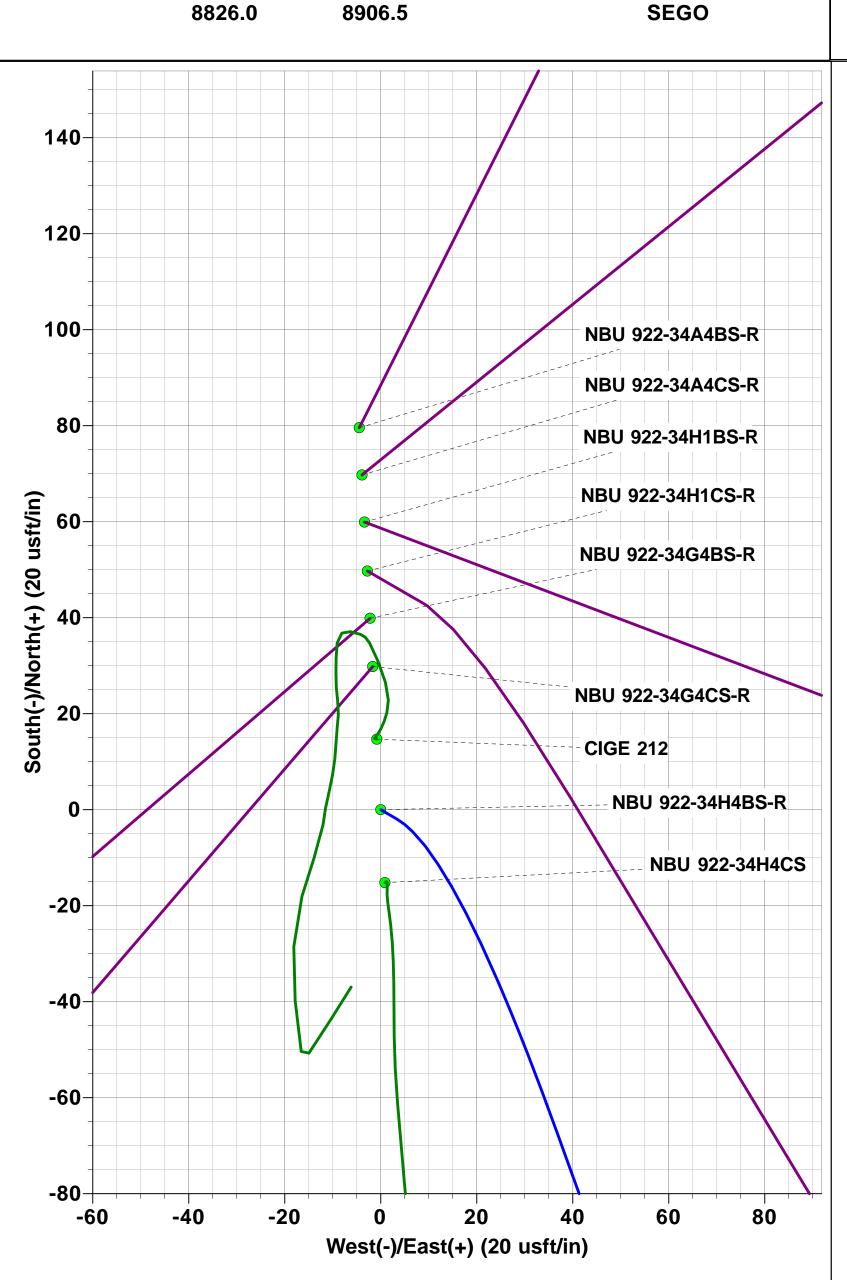
WELL DETAILS: NBU 922-34H4BS-R

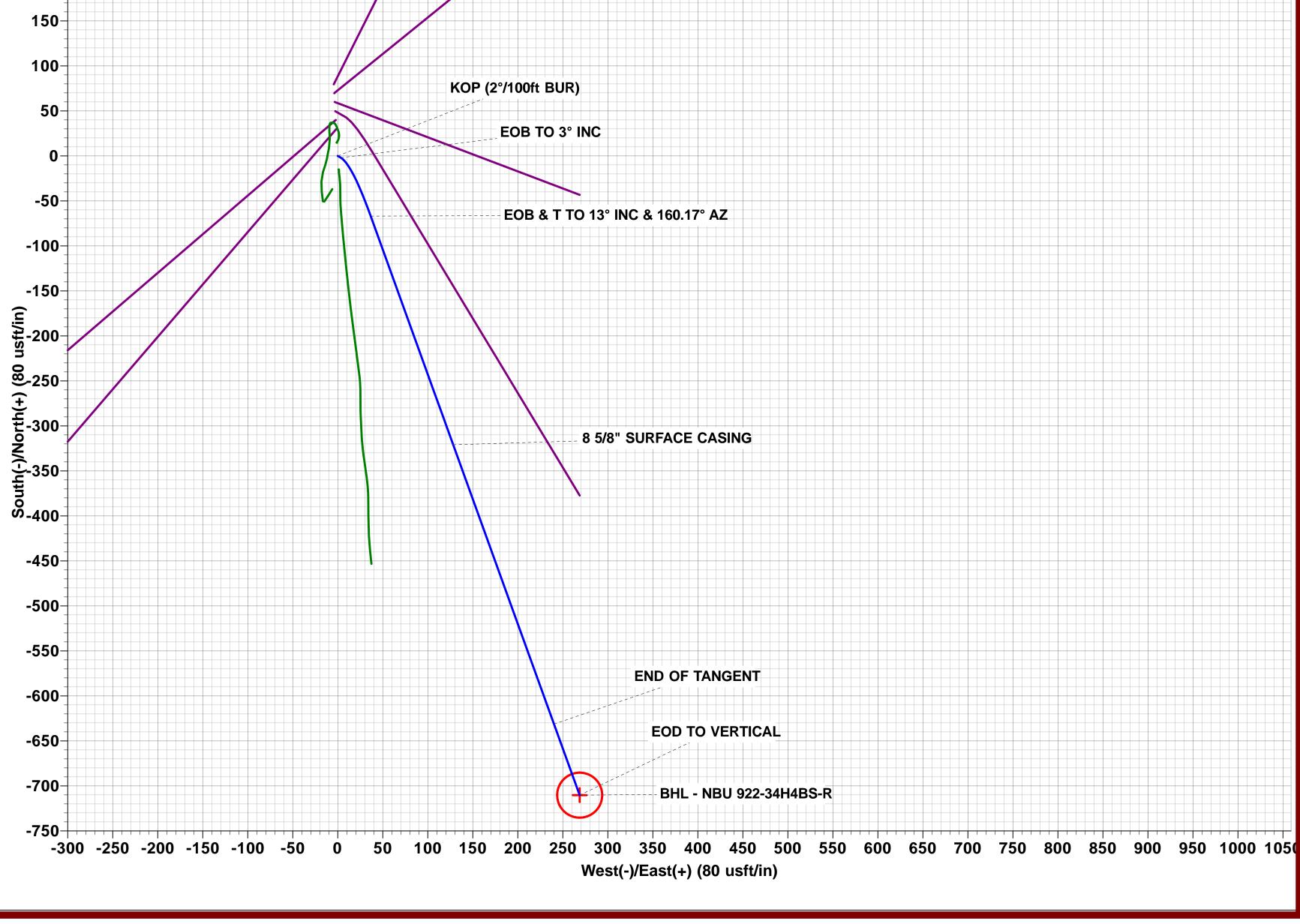


677.7 END OF TANGENT

761.6 EOD TO VERTICAL

761.6 BHL - NBU 922-34H4BS-R





240.2

268.7

Azimuths to True North

Magnetic North: 10.56°

Strength: 51813.1snT

Dip Angle: 65.76°

Date: 23/09/2015

Model: IGRF2015



SEGO

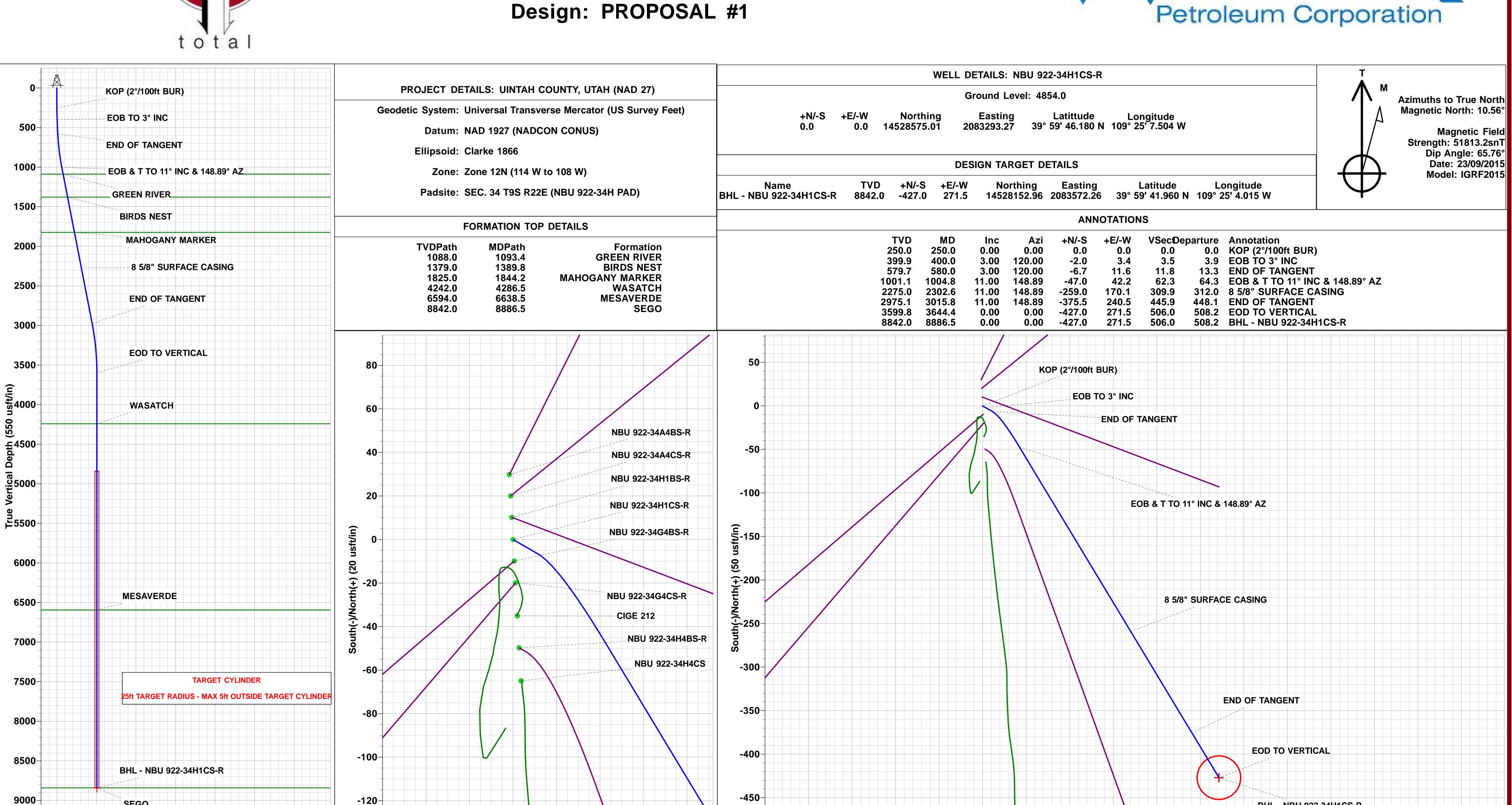
Vertical Section at 147.55° (550 usft/in)

Project: UINTAH COUNTY, UTAH (NAD 27) Site: SEC. 34 T9S R22E (NBU 922-34H PAD)

Well: NBU 922-34H1CS-R

Wellbore: ORIGINAL WELLBORE





80

-20

20

West(-)/East(+) (20 usft/in)

BHL - NBU 922-34H1CS-R

150

West(-)/East(+) (50 usft/in)

200

250

300



BHL - NBU 922-34H1BS-R

1500

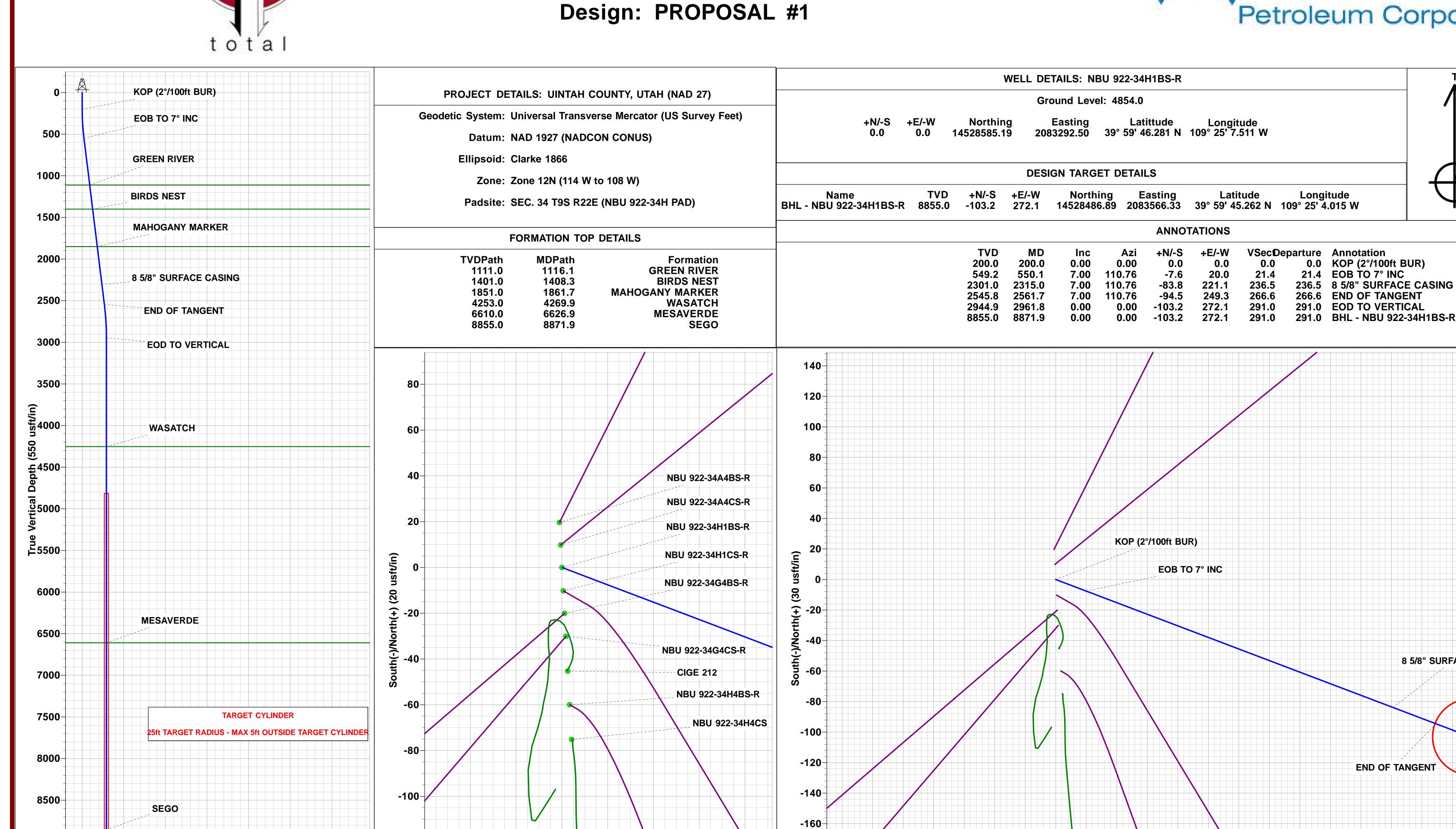
Vertical Section at 110.76° (550 usft/in)

Project: UINTAH COUNTY, UTAH (NAD 27)

Site: SEC. 34 T9S R22E (NBU 922-34H PAD)

Well: NBU 922-34H1BS-R Wellbore: ORIGINAL WELLBORE





80

-20

20

West(-)/East(+) (20 usft/in)

EOD TO VERTICAL

BHL - NBU 922-34H1BS-R

8 5/8" SURFACE CASING

END OF TANGEN

80 100 120 140 160 180 200 220 240 260 280 300 320 340

West(-)/East(+) (30 usft/in)

Azimuths to True North

Magnetic North: 10.56°

Strength: 51813.2snT

Dip Angle: 65.76° Date: 23/09/2015

Model: IGRF2015



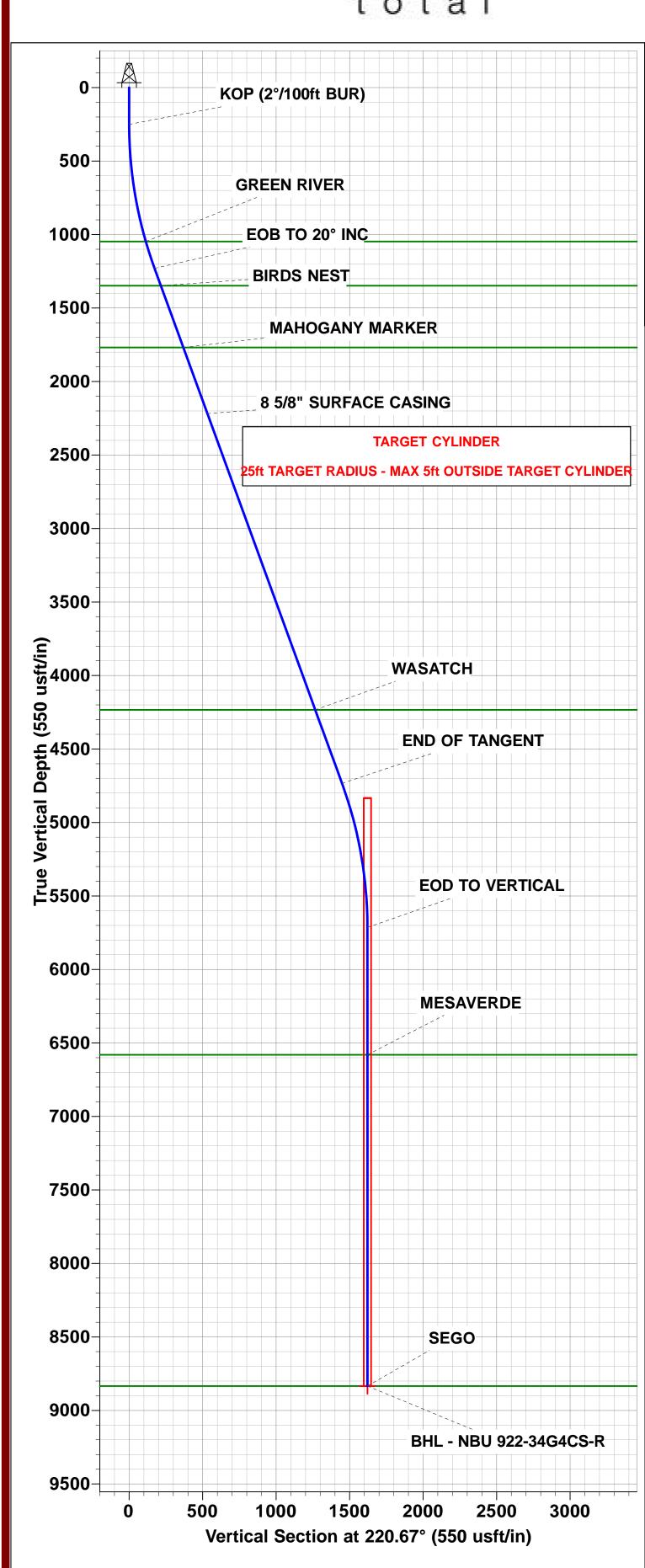
Project: UINTAH COUNTY, UTAH (NAD 27)

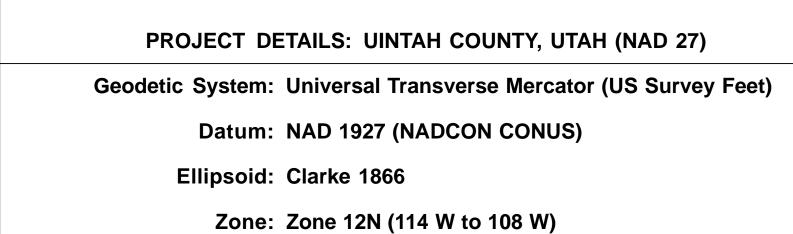
Site: SEC. 34 T9S R22E (NBU 922-34H PAD)
Well: NBU 922-34G4CS-R

Wellbore: ORIGINAL WELLBORE

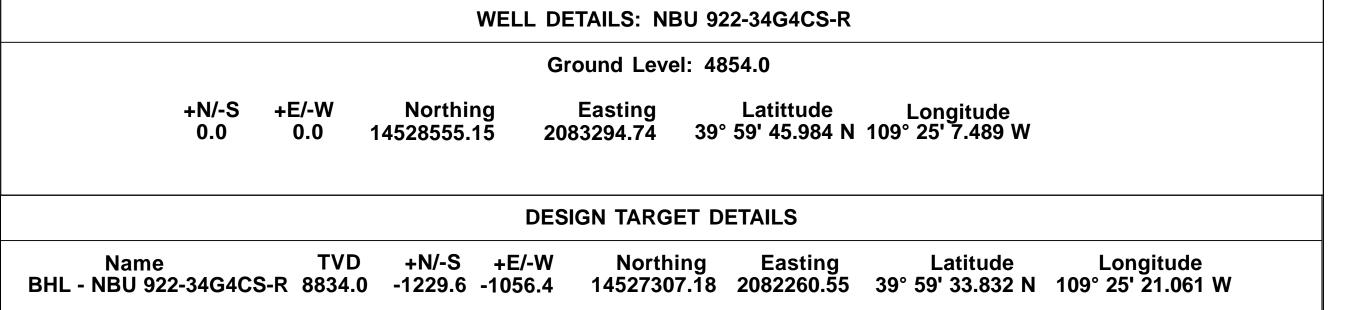
Design: PROPOSAL #1



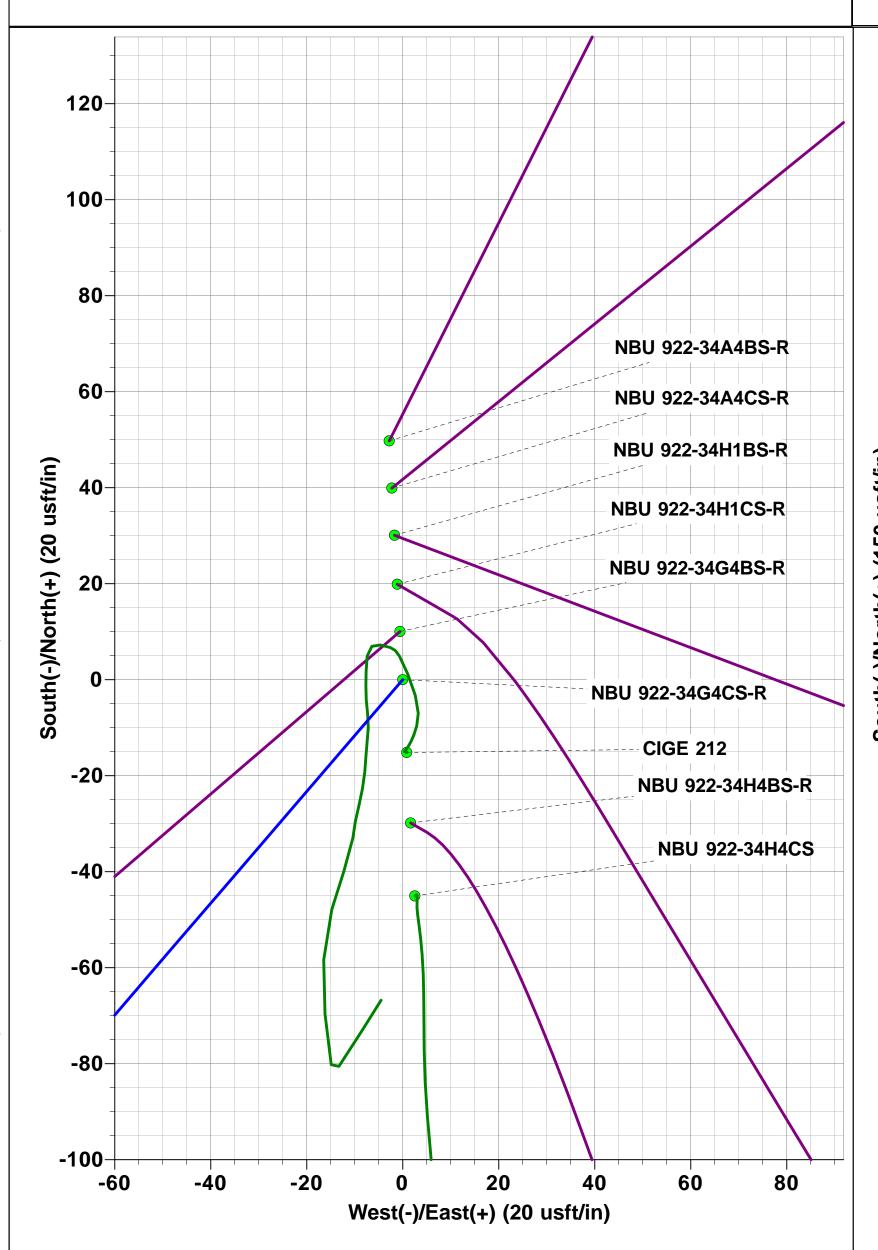


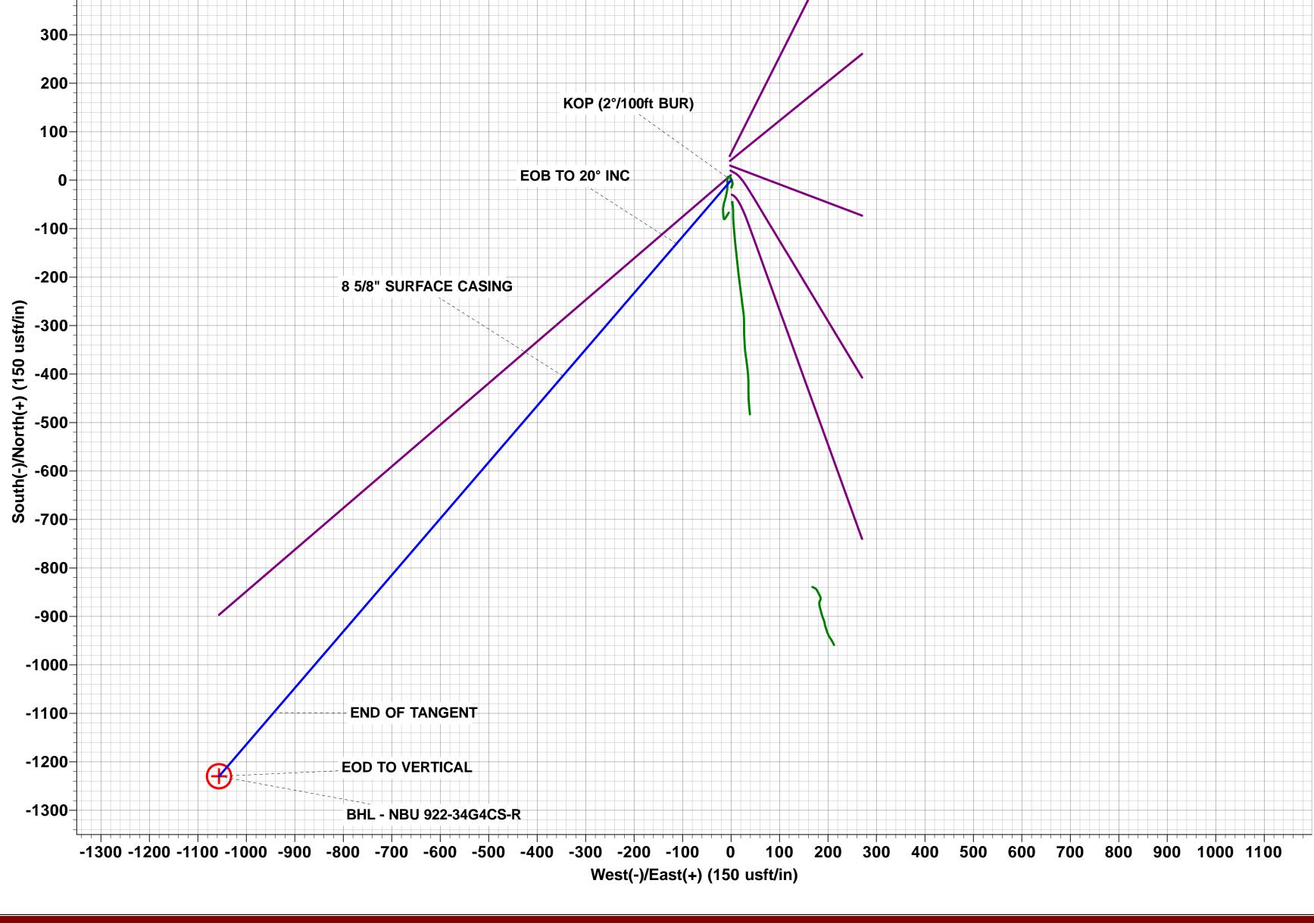


FC	FORMATION TOP DETAILS							
TVDPath	MDPath	Formation						
1047.0	1057.7	GREEN RIVER						
1348.0	1375.8	BIRDS NEST						
1768.0	1822.7	MAHOGANY MARKER						
4234.0	4447.0	WASATCH						
6580.0	6845.3	MESAVERDE						
8834.0	9099.3	SEGO						



	TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec ₁ D	eparture	Annotation
	250.0	250.0	0.00	0.00	0.0	0.0	0.0	0.0	KOP (2°/100ft BUR)
	1229.9	1250.0	20.00	220.67	-131.1	-112.6	172.8	172.8	EOB TO 20° INC
	2218.0	2301.6	20.00	220.67	-403.9	-347.0	532.5	532.5	8 5/8" SURFACE CASING
	4734.1	4979.3	20.00	220.67	-1098.6	-943.8	1448.3	1448.3	END OF TANGENT
	5714.0	5979.3	0.00	0.00	-1229.6	-1056.4	1621.1	1621.1	EOD TO VERTICAL
	8834.0	9099.3	0.00	0.00	-1229.6	-1056.4	1621.1	1621.1	BHL - NBU 922-34G4CS-F





Azimuths to True North

Magnetic North: 10.56°

Strength: 51813.1snT

Dip Angle: 65.76° Date: 23/09/2015

Model: IGRF2015



Project: UINTAH COUNTY, UTAH (NAD 27)

Site: SEC. 34 T9S R22E (NBU 922-34H PAD)

Well: NBU 922-34G4BS-R

Wellbore: ORIGINAL WELLBORE

Design: PROPOSAL #1

Formation

WASATCH

SEGO

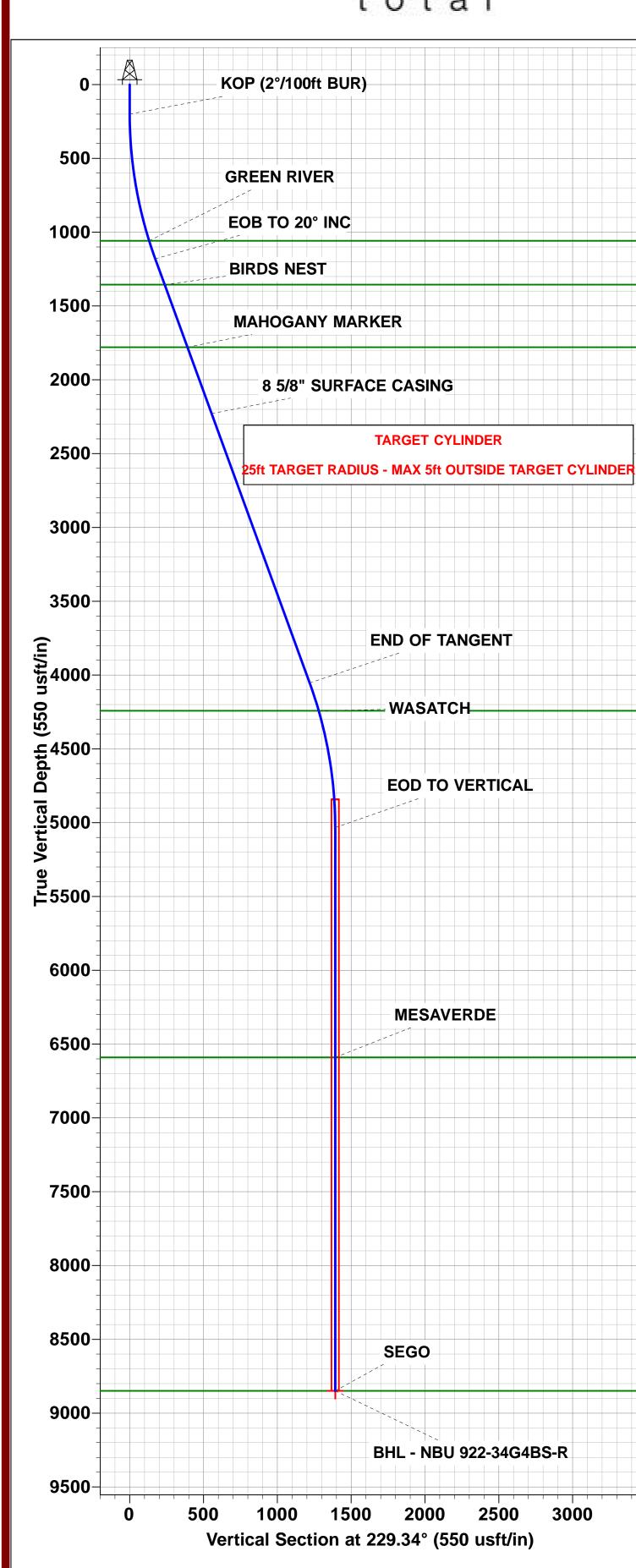
GREEN RIVER

MAHOGANY MARKER

BIRDS NEST

MESAVERDE





PROJECT DETAILS: UINTAH COUNTY, UTAH (NAD 27)

Geodetic System: Universal Transverse Mercator (US Survey Feet)

Datum: NAD 1927 (NADCON CONUS)

Ellipsoid: Clarke 1866

TVDPath

1058.0 1355.0

1779.0

4242.0

6590.0

8849.0

Zone: Zone 12N (114 W to 108 W)

MDPath

1071.4

1386.4 1837.7

4456.4

6814.9

Padsite: SEC. 34 T9S R22E (NBU 922-34H PAD)

FORMATION TOP DETAILS

WELL DETAILS: NBU 922-34G4BS-R

Ground Level: 4854.0

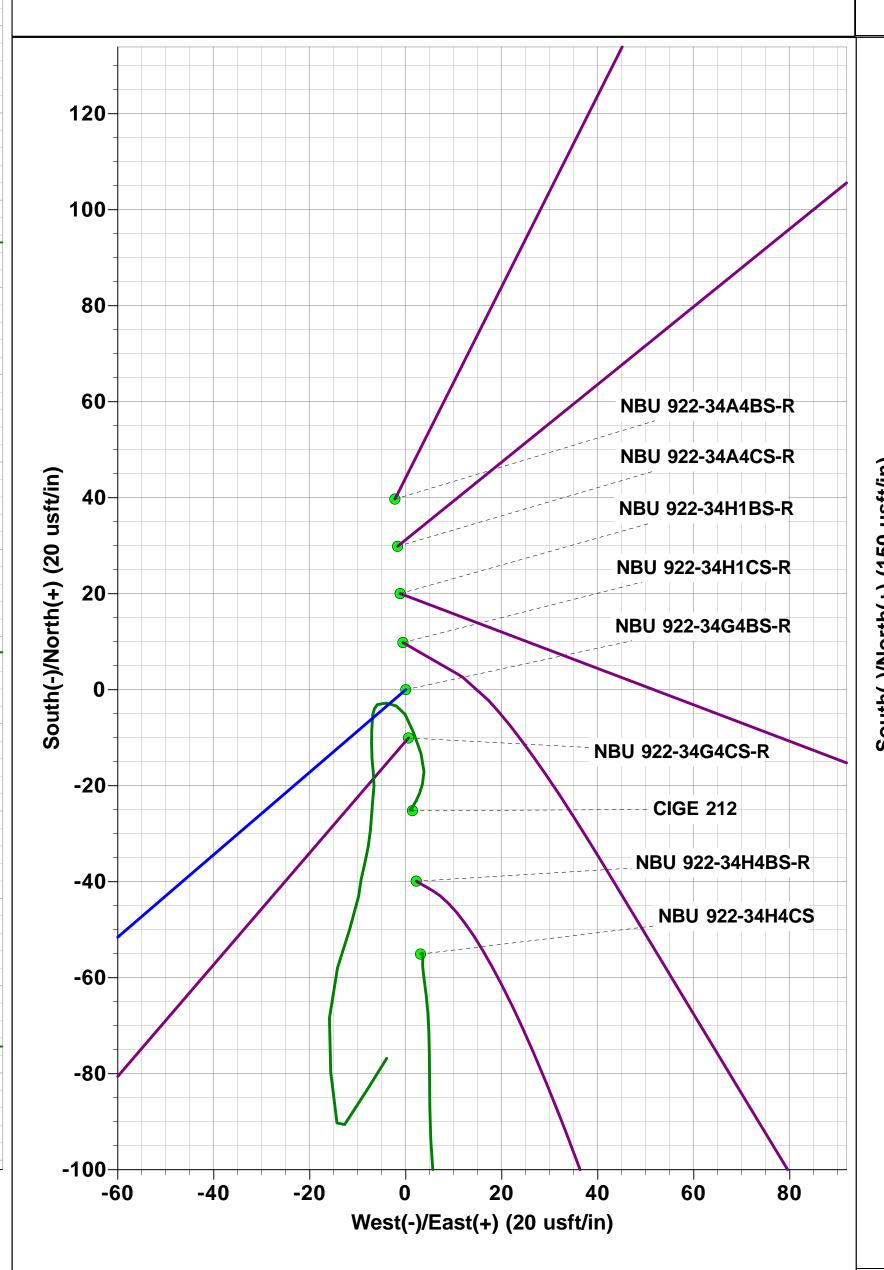
+N/-S +E/-W Northing Easting Latittude Longitude 0.0 0.0 14528565.19 2083294.01 39° 59' 46.083 N 109° 25' 7.496 W

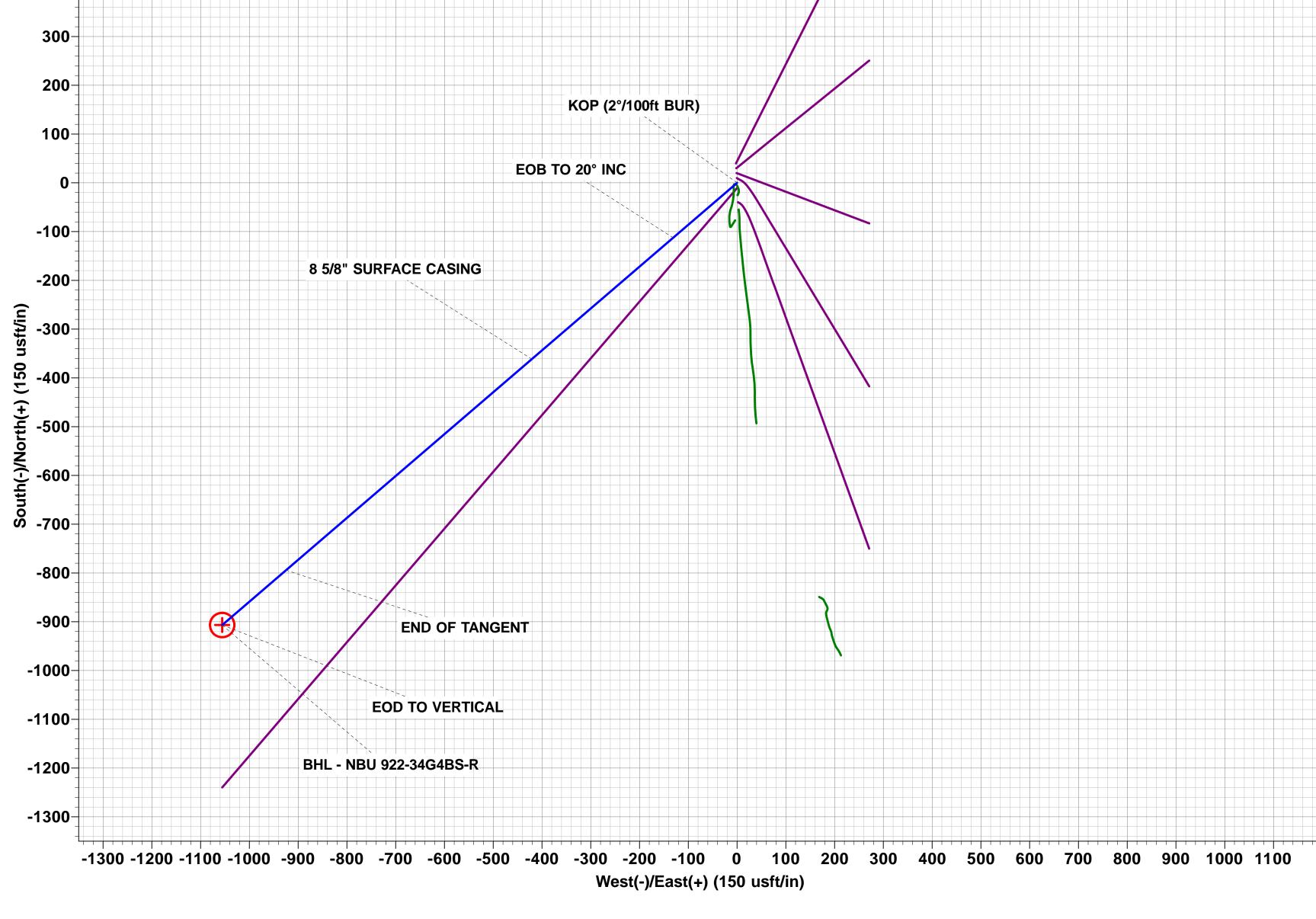
DESIGN TARGET DETAILS

Name TVD +N/-S +E/-W Northing Easting Latitude Longitude 39° 59' 37.122 N 109° 25' 21.061 W

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSectD6	eparture	Annotation
200.0	200.0	0.00	0.00	0.0	0.0	0.0	0.0	KOP (2°/100ft BUR)
1180.0	1200.2	20.00	229.34	-112.6	-131.1	172.8	172.8	EOB TO 20° INC
2229.0	2316.5	20.00	229.34	-361.4	-420.8	554.7	554.7	8 5/8" SURFACE CASING
4053.3	4258.0	20.00	229.34	-794.1	-924.6	1218.9	1218.9	END OF TANGENT
5033.3	5258.2	0.00	229.34	-906.7	-1055.8	1391.7	1391.7	EOD TO VERTICAL
8849.0	9073.9	0.00	0.00	-906.7	-1055.8	1391.7	1391.7	BHL - NBU 922-34G4BS-F





Azimuths to True North

Magnetic North: 10.56°

Strength: 51813.2snT

Dip Angle: 65.76°

Date: 23/09/2015

Model: IGRF2015



Project: UINTAH COUNTY, UTAH (NAD 27) Site: SEC. 34 T9S R22E (NBU 922-34H PAD)

BHL - NBU 922-34A4CS-R 8870.0

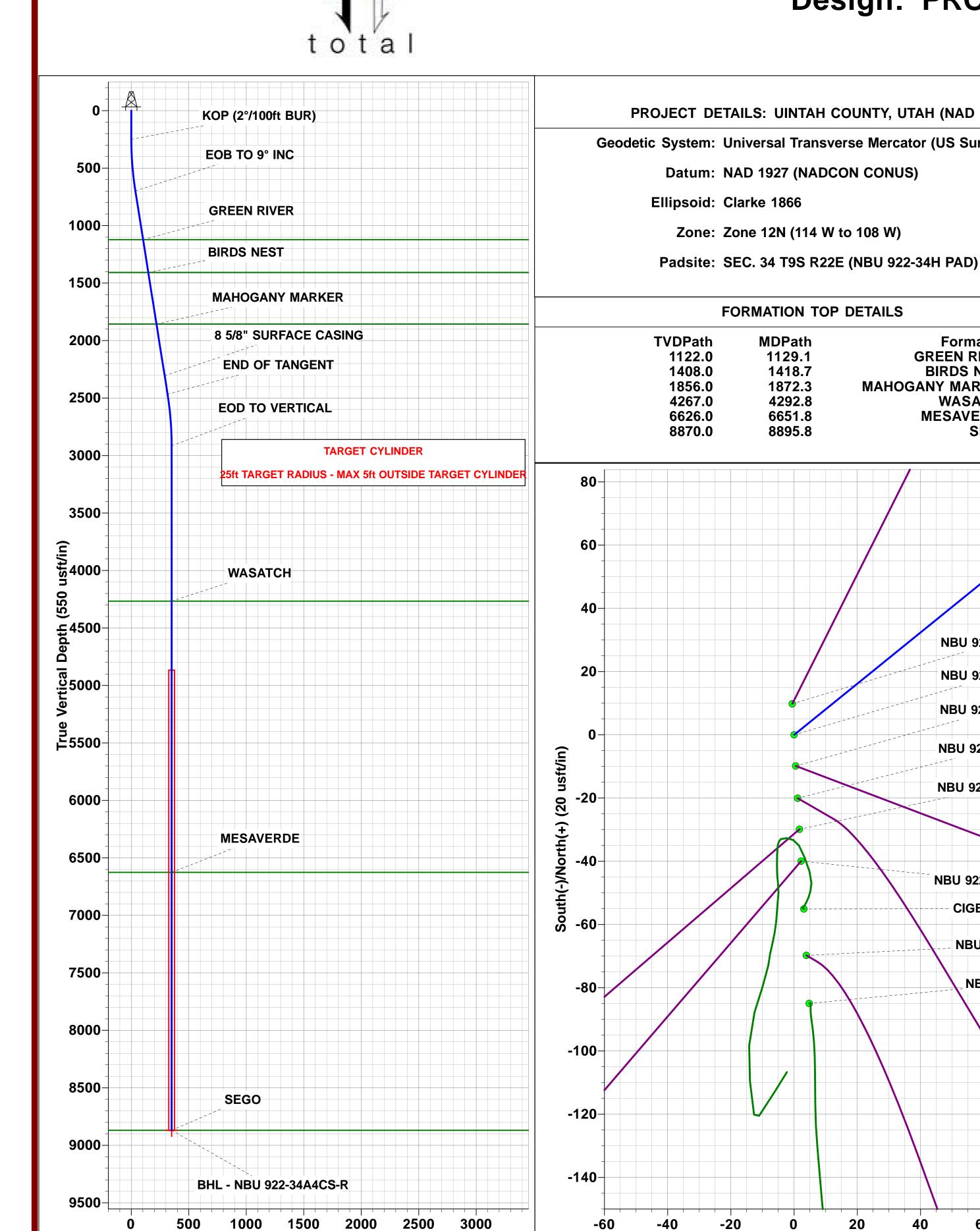
Well: NBU 922-34A4CS-R

Wellbore: ORIGINAL WELLBORE

Design: PROPOSAL #1



39° 59' 48.559 N 109° 25' 4.015 W



Vertical Section at 51.01° (550 usft/in)

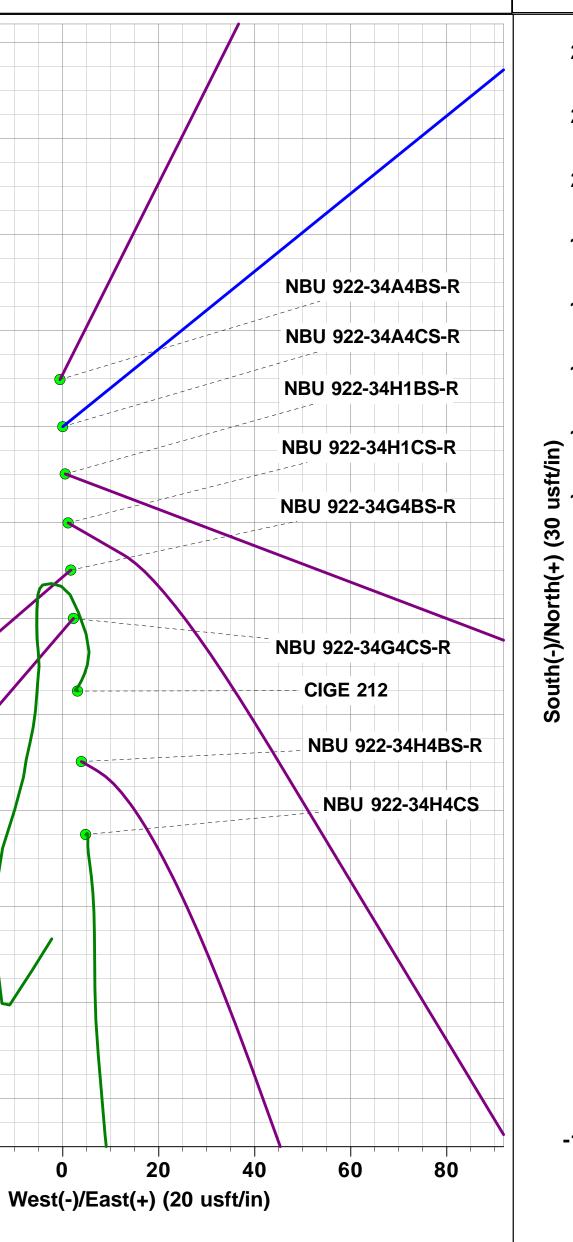
PROJECT DETAILS: UINTAH COUNTY, UTAH (NAD 27) Geodetic System: Universal Transverse Mercator (US Survey Feet)

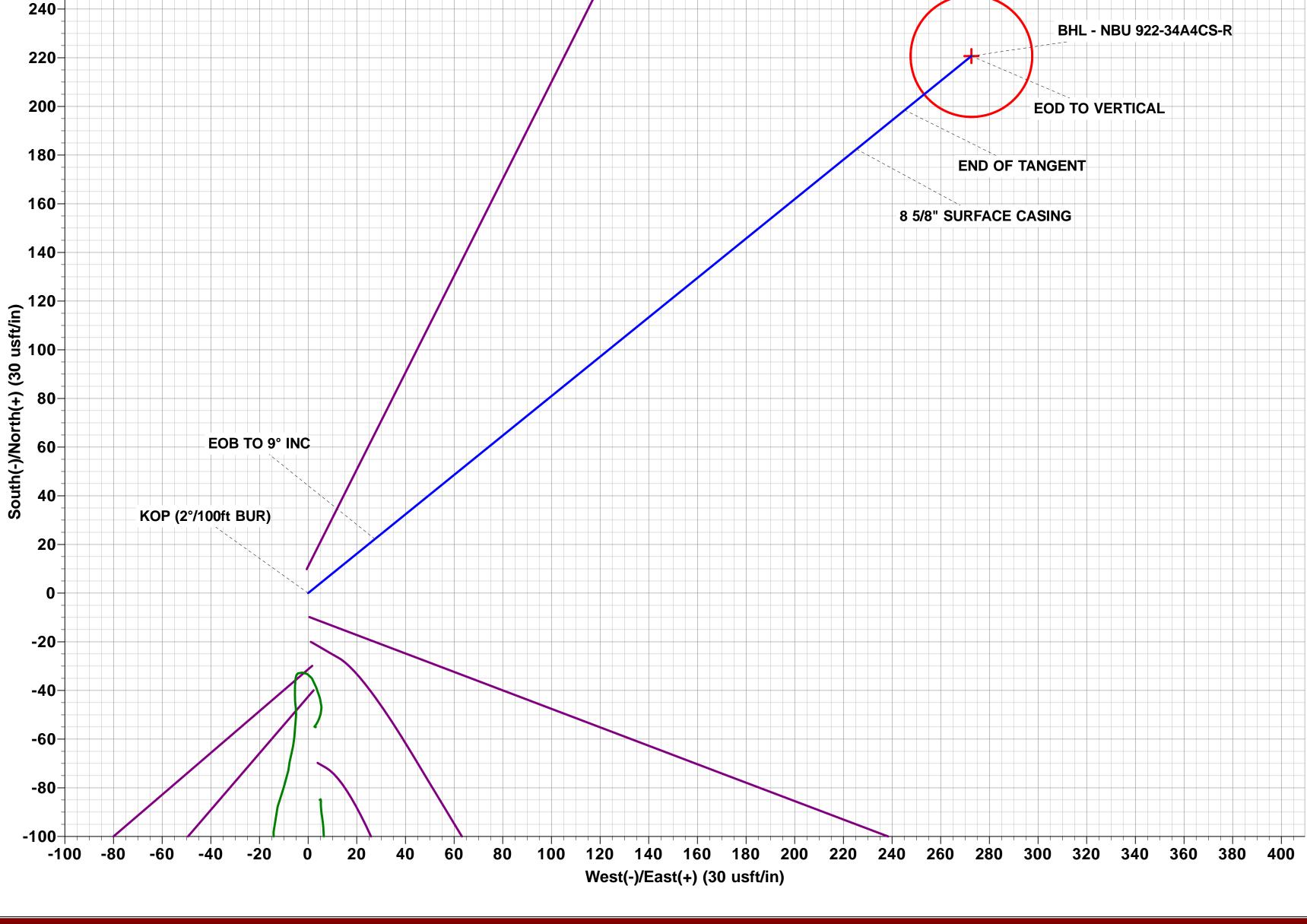
Formation GREEN RIVER BIRDS NEST MAHOGANY MARKER WASATCH MESAVERDE SEGO

WELL DETAILS: NBU 922-34A4CS-R Ground Level: 4854.0 Latittude Longitude 39° 59' 46.378 N 109° 25' 7.518 W 2083291.80 **DESIGN TARGET DETAILS** TVD **Easting** Latitude Longitude

	ANNOTATIONS								
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSecDe	parture	Annotation	
250.0	250.0	0.00	0.00	0.0	0.0	0.0	0.0	KOP (2°/100ft BUR)	
698.2	700.1	9.00	51.01	22.2	27.4	35.3	35.3	EOB TO 9° INC	
2306.0	2327.9	9.00	51.01	182.4	225.4	290.0	290.0	8 5/8" SURFACE CASING	
2466.9	2490.8	9.00	51.01	198.5	245.2	315.5	315.5	END OF TANGENT	
2915.1	2940.9	0.00	0.00	220.7	272.6	350.7	350.7	EOD TO VERTICAL	
8870.0	8895.8	0.00	0.00	220.7	272.6	350.7	350.7	BHL - NBU 922-34A4CS-R	

14528820.46 2083560.41





Azimuths to True North

Magnetic North: 10.56°

Strength: 51813.2snT

Dip Angle: 65.76°

Date: 23/09/2015

Model: IGRF2015



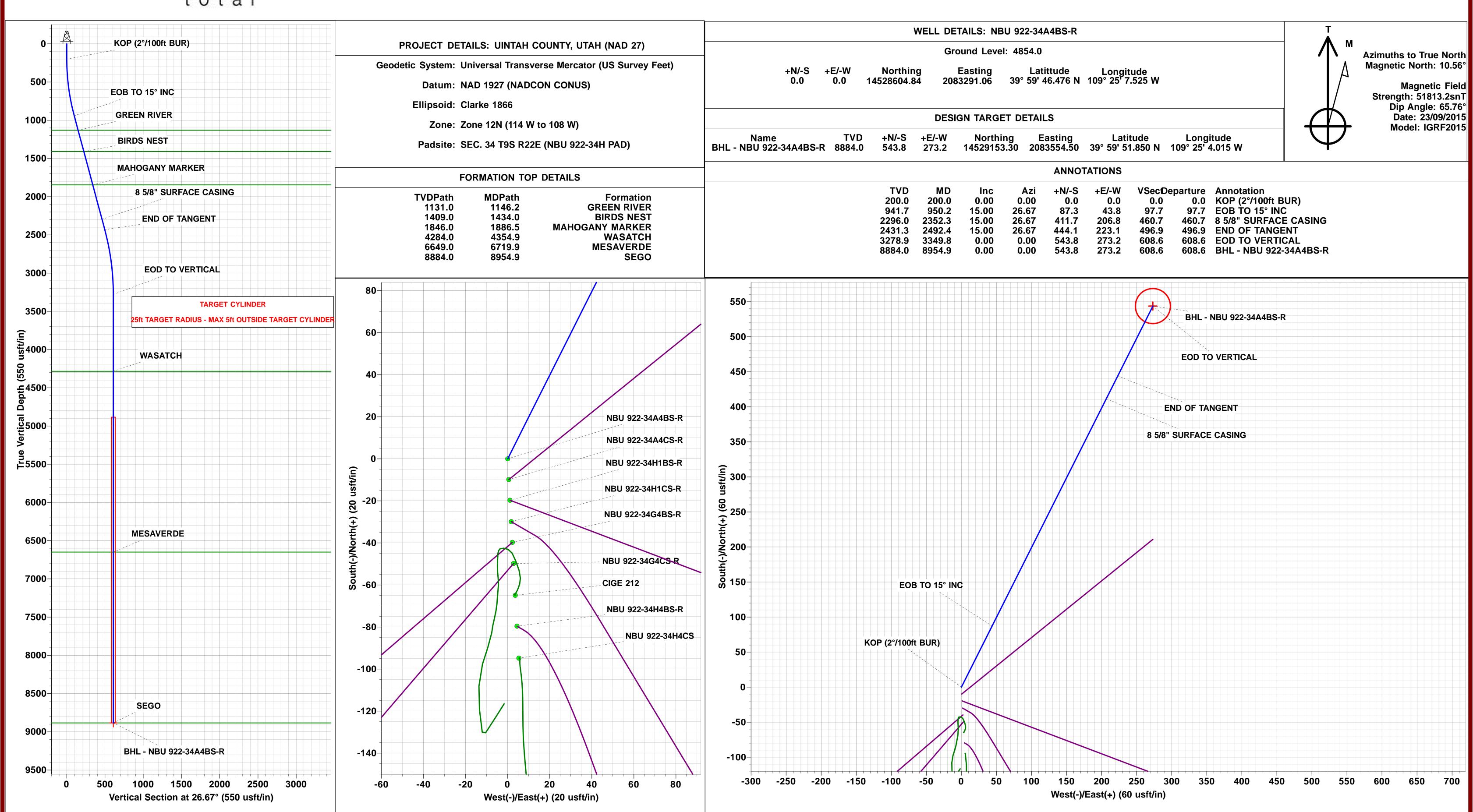
Project: UINTAH COUNTY, UTAH (NAD 27) Site: SEC. 34 T9S R22E (NBU 922-34H PAD)

Well: NBU 922-34A4BS-R

Wellbore: ORIGINAL WELLBORE

Design: PROPOSAL #1





API Well Number: 43047554580000

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/6/2015 API NO. ASSIGNED: 43047554580000

WELL NAME: NBU 922-34G4CS-R

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) PHONE NUMBER: 720 929-6828

CONTACT: Joel Malefyt

PROPOSED LOCATION: SENE 34 090S 220E Permit Tech Review:

> SURFACE: 1345 FNL 0764 FEL **Engineering Review:**

> **BOTTOM: 2578 FNL 1821 FEL** Geology Review:

COUNTY: UINTAH

LATITUDE: 39.99603 LONGITUDE: -109.41940 **UTM SURF EASTINGS: 634930.00** NORTHINGS: 4428513.00

FIELD NAME: NATURAL BUTTES LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 0149077 PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal **COALBED METHANE: NO**

RECEIVED AND/OR REVIEWED: LOCATION AND SITING:

✓ PLAT R649-2-3.

Unit: NATURAL BUTTES Bond: FEDERAL - WYB000291

Potash R649-3-2. General

Oil Shale 190-5

Oil Shale 190-3 R649-3-3. Exception

Oil Shale 190-13 **Drilling Unit**

Board Cause No: Cause 173-14 Water Permit: 43-8496

Effective Date: 12/2/1999 **RDCC Review:**

Siting: Suspends General Siting Fee Surface Agreement

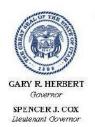
✓ Intent to Commingle R649-3-11. Directional Drill

Commingling Approved

Comments: Presite Completed

Stipulations:

3 - Commingling - ddoucet 4 - Federal Approval - dmason 15 - Directional - dmason 17 - Oil Shale 190-5(b) - dmason



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: NBU 922-34G4CS-R API Well Number: 43047554580000 Lease Number: UTU 0149077

Surface Owner: FEDERAL Approval Date: 10/26/2015

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingle:

In accordance with Board Cause No. 173-14, commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil

shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director November 1, 2016

Joel Malefyt Kerr-McGee Oil & Gas Onshore, LP. 1099 18th Street, Suite 600 Denver, CO 80217

Re: APDs Rescinded for Kerr-McGee O&G Onshore, LP, Uintah County

Dear Mr. Malefyt:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of November 1, 2016.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

Environmental Scientist

cc:

Well File

Bureau of Land Management, Vernal



- 43-047-52086 Bonanza 1023-5B1CS
- 43-047-52087 Bonanza 1023-5B4AS
- 43-047-52088 Bonanza 1023-5C1DS
- 43-047-52097 Bonanza 1023-5A1CS
- 43-047-52098 Bonanza 1023-5A4CS
- 43-047-52099 Bonanza 1023-5G1DS
- 43-047-52100 Bonanza 1023-5H1BS
- 43-047-52101 Bonanza 1023-5H4CS
- 43-047-55455 NBU 922-34H4BS-R
- 43-047-55456 NBU 922-34H1CS-R
- 43-047-55457 NBU 922-34H1BS-R
- 43-047-55458 NBU 922-34G4CS-R
- 43-047-55459 NBU 922-34G4BS-R
- 43-047-55460 NBU 922-34A4CS-R
- 43-047-55461 NBU 922-34A4BS-R



RE: Expired APDs

Malefyt, Joel <Joel.Malefyt@anadarko.com>
To: Diana Mason <dianawhitney@utah.gov>

Tue, Nov 1, 2016 at 11:59 AM

Diana,

Thanks for the follow up. Those were associated with Federal APDs that were ultimately expiring. We won't be renewing those.

Thank you!

Joel Malefyt | UT/WY Regulatory Affairs

Anadarko Petroleum Corporation

Office: 720-929-6828

E-mail: joel.malefyt@anadarko.com

From: Diana Mason [mailto:dianawhitney@utah.gov]

Sent: Tuesday, November 01, 2016 11:31 AM **To:** Malefyt, Joel < Joel. Malefyt@anadarko.com>

Subject: Expired APDs

Hi Joel,

There are 15 APDs that expired last month. I noticed all the one's coming in today haven't expired yet. Does Kerr McGee still want the one's that has already expired?

Thank you,

Diana